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Flight Maneuvers						
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DEPARTMENT OF THE NAVY  
NAVAL AIR DEVELOPMENT CENTER  
WARMINSTER, PA. 18974

Air Vehicle Technology Department

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25 FEBRUARY 1972

STUDY OF FLIGHT-LOAD PARAMETERS OF  
THE NAVY FLIGHT DEMONSTRATION TEAM  
F-4J AIRCRAFT

FINAL REPORT  
AIRTASK NO. F00-422-202  
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This report presents 42.9 hours of valid flight loads data recorded on three F-4J aircraft assigned to the Navy Flight Demonstration Team (Blue Angels). The data includes both practice sessions and official flight demonstrations during the months of May and June 1970. Histograms, graphs, and tables are used to describe the load histories of the aircraft during the study. In addition, data comparisons are made of the flight loads recorded at three different locations on the aircraft structure, and these loads are also compared to load counts recorded by the Navy statistical counting accelerometer.

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## INTRODUCTION

This is a report of a flight-loads study conducted by the NAVAIRDEVCEM in three F-4J aircraft assigned to the Navy FDT (Flight Demonstration Team - Blue Angels). The object of the study was to investigate the normal load factor exceedances of the aircraft throughout its FDT performance and to determine differences in load factors experienced at forward, center of gravity and aft sections of the airframe. From 1 May 1970 to 21 June 1970, 42.9 hours of flight data were collected from the three F-4J aircraft. The FDT F-4J aircraft were selected for study because of the high incidence of loading per flight hour and repetitious flight patterns. The aircraft instrumented (see Table 1) were the lead aircraft in the diamond pattern and the two solo aircraft. The basic parameters measured were airspeed, altitude, and three vertical accelerations. The load factor exceedances are reported in graphs of cumulative frequency vs. normal load factor, and histograms of the flight time spent in various flight parameter ranges. This information may be used to evaluate the severity of usage of FDT aircraft, to confirm or modify current methods of computing FDT aircraft structural fatigue damage, and to provide realistic information to guide the design of future aircraft for either fleet or aerobatic usage.

DISCUSSION

A. Recording System

The oscillograph recording system installed in the FDT F-4J aircraft for this flight-loads study provides permanent time histories of airspeed, altitude and three normal accelerations. The system consists of a modified Century Model 409 oscillograph, bridge-balance unit, pressure and acceleration transducers, and associated components. The system weighs approximately 20 pounds and is shown in Figure 2.

Also monitored was the aircraft's counting accelerometer system (see Figure 3), a four-level recording device which records, or "counts" exceedances of normal load factors of 6, 7, 8.5, and 10. For a description of this system, see reference (a).

B. Installation of Recording System

NAVAIRDEVCON personnel installed the oscillograph flight-loads recording system in three FDT F-4J aircraft at Naval Air Station, Pensacola, Florida, between 13 April and 30 April 1970. The three aircraft chosen for the study were the lead plane in the diamond formation (serial number 153082, side number 1), and the two solo aircraft (serial number 153076, side number 6, and serial number 153085, side number 5).

The oscillograph recorder, bridge-balance box and paper magazine were mounted in the aft cockpit on the radar rack below the instrument panel (see Figure 4). Airspeed and altitude transducers were mounted on the floor of the aft cockpit to the right of the seat (see Figure 5). Three accelerometer positions were chosen in order to permit study of the vertical load factors at the C.G. and off-C.G. locations experienced by the aircraft during the FDT maneuvers. The most forward positioned accelerometer was mounted on a rigid member of the aft cockpit instrument panel at fuselage station 165, on the aircraft centerline, and 72 inches above the center of gravity. The accelerometer closest to the center of gravity of the aircraft was mounted on the keel web at fuselage station 337. This location was close to the center of gravity which, during an official flight demonstration, ranged between fuselage stations 309 and 321. A third accelerometer was mounted at fuselage station 383 inside the 89R access area, 56 inches starboard of the centerline, as close as possible to the statistical counting accelerometer group transducer. Figure 6 illustrates the mounting positions of the various accelerometers used for this study.

### C. Data Collection

NAVAIRDEVGEN personnel remained with the team after the instrumentation installation was completed, maintaining the flight-loads equipment throughout the study. Paper magazines from the oscillograph recorder were changed and processed after each demonstration flight. Supplementary data forms were included with each developed flight record and returned to NAVAIRDEVGEN. These forms contained such information as fuel weight on takeoff and landing, flight time, readings from the counting accelerometer indicator both before and after the flight, and any other pertinent information such as pilot remarks. A list of the flights monitored during this survey are shown on Table 2.

After processing a flight record, NAVAIRDEVGEN personnel examined it for any instrument malfunctions. Whenever possible, the pilot of the aircraft was contacted and assisted in identifying the maneuvers flown during the demonstration. The processed records and supplementary data sheets were then shipped directly to the Loads Analysis Branch at NAVAIRDEVGEN.

### D. Data Processing

The flight records, when received at NAVAIRDEVGEN, were processed and edited for reading. Editing included entering, in coded form, information such as gross weight, maneuver description, etc., directly upon each flight record. The actual reading was performed on semi-automatic data reduction equipment.

Two data-reading combinations were employed in processing the data. One combination consisted of reading simultaneous values of airspeed and altitude at equally-spaced time intervals throughout the record. The other method consisted of reading peaks of normal load factor from the three accelerometers and simultaneous values of airspeed and altitude. Selection of a normal load factor peak to be read is based on satisfying all of the following criteria:

1. The normal load factor in any of the three accelerometers must have exceeded a threshold value of 2.0 in the positive direction. The positive threshold value was changed during the study to 3.0, when it was found that including the 2.0 to 3.0 band excessively increased the number of readings which had to be made. 18.6 hours of data were read at the 2.0 threshold and for the remaining 24.3 hours of data the exceedances in the 2.0 to 3.0 interval were estimated.
2. The normal load factor must have increased an amount equal to or greater than one-half that by which the previously counted normal load factor decreased.

3. The normal load factor must have decreased an amount equal to or greater than one-half that by which the previously counted normal load factor increased.

When peak load factors were read, related historical information necessary for classification was punched on the same IBM card. Having the data in this convenient form facilitated computing and sorting processes for information desired in the preparation of statistical presentations.

#### E. Data Presentation and Analysis

The data for this report is presented in the following curves, graphs, and tables:

1. Figure 7 is a graph of the frequency of exceeding a given observed incremental normal load factor recorded by the fore, center of gravity, and aft accelerometers in the FDT F-4J aircraft. Incremental normal load factor,  $\Delta N_z$ , is defined as the value of the normal load factor minus one.

$$\Delta N_z = N_z - 1.0$$

As the graph shows, the highest positive observed incremental normal load factor occurrence during this study of the FDT F-4J aircraft was in the 8.5 to 9.0 range and was recorded on the forward accelerometer. This reading corresponds to a normal load factor in the range of 9.5 to 10.0 including the one g condition.

The highest negative observed incremental normal load factor occurrence during this study of the FDT F-4J aircraft was in the -5.0 to -5.5 range or the absolute range of -4.0 to -4.5. This reading was recorded on the forward accelerometer.

The aft accelerometer data represents only 30.60 flight hours. Some flight data was lost when it was discovered that the aft accelerometer mounting bracket in aircraft serial number 153076 had been damaged during the study.

Figures 8 to 10 are incremental normal load factor exceedance curves for the individual FDT F-4J aircraft during the study.

To permit direct comparison of measured normal load factor with limit values established either by aircraft design or other applicable flight restrictions, the observed values of normal acceleration were converted to effective values at the basic flight design gross weight. Effective normal load factor ( $N_{ze}$ ) is defined as observed normal load factor multiplied by design gross weight divided by gross weight at the time of load factor occurrence.

$$N_{ze} = N_z \times \frac{\text{Design Gross Weight}}{\text{Gross Weight}}$$

Figure 11 is a graph of the frequency of exceeding a given incremental effective normal load factor recorded by the three accelerometers in the FDT F-4J aircraft.

Incremental effective normal load factor ( $\Delta N_{ze}$ ) is defined as the value of the effective normal load factor minus one:

$$\Delta N_{ze} = N_{ze} - 1.0$$

The highest positive incremental effective normal load factor occurrence during this study of the FDT F-4J aircraft was in the 9.5 to 10.0 range and was recorded by the aft accelerometer. This reading corresponds to a normal load factor in the range of 10.5 to 11.0 including the one g condition.

The highest negative effective normal load factor occurrence during the study was in the -5.0 to -5.5 range or the absolute range of -4.0 to -4.5. This reading was recorded at the forward accelerometer.

The frequency of the highest positive normal load factor exceedance for the FDT F-4J aircraft is one in every 50 flight hours, and the frequency of the highest negative normal load factor exceedance is about the same.

The distribution of the frequency of the effective positive load factor is "shifted" to the right with respect to the graph of observed load factor. This means that the gross weight of the aircraft, at the time of the load factor occurrences, was such that the airframe felt a higher load than that which was observed. In addition, for a given positive observed load factor, the corresponding positive effective load factor will occur at a higher frequency. The reason for this shift is that a greater number of the loads, especially the loads of greater magnitude, occurs when the aircraft is at a gross weight which is above 37,500 pounds, the design gross weight.

Figures 12 to 14 are incremental effective normal load factor curves for the individual FDT F-4J aircraft during the study.

2. Figure 15 presents the flight time spent at various ranges of airspeed by the FDT F-4J aircraft. The distribution shows that 45.2 percent of the flight time was spent between 250 and 350 knots, 72.4 percent of the flight time between 200 and 400 knots, and only 0.03 percent of the flight time above 600 knots.



3. Figure 16 presents the flight time spent at various ranges of altitude by the FDT F-4J aircraft. The distribution shows that all of the flight time was spent below 15,000 feet and 74.17 percent of the flight time below 5000 feet.

4. Figure 17 presents the flight time spent at various ranges of Mach number by the FDT F-4J aircraft. The distribution shows that all of the flight time was flown below Mach 1.0.

5. As part of the FDT F-4J flight-loads study, it was planned to compare normal load factor readings at three locations along the longitudinal axis of the aircraft. Differences had been reported between the F-4J's forward mounted pilot's cockpit accelerometers and the counting accelerometers mounted at fuselage station 383. Three accelerometers were mounted at different locations (see paragraph B. Installation of Recording System and Figure 6), and comparisons were made between the fore accelerometer and the center-of-gravity accelerometer, and between the aft accelerometer and the center-of-gravity accelerometer (see Appendix A). Figures 18 to 33 present these comparisons in histogram form giving the percentage of counts vs. the difference in readings for positive and negative observed accelerations for each aircraft in the study. Approximately 95 percent of all observed positive normal load factor readings from both the forward and aft accelerometers were within  $\pm 0.4g$  of the center of gravity accelerometer readings.

When the data is examined on an individual basis, as might be expected from the difference in location, there is a substantial difference in accelerometer readings on certain maneuvers. For example, during a vertical roll (in Appendix A, aircraft serial number 153085, flight number 11, sequence number 1020) a higher positive normal load factor (5.45) was recorded at the center of gravity than was recorded at the forward accelerometer location (0.26) or a difference of 5.19. This is just one example of the difference in readings possible when comparing the pilot's cockpit accelerometer and the reading of the accelerometer at the center of gravity.

In addition to this difference during maneuvers, it should also be noted that the pilot's instrument panel in the F-4 aircraft is at an angle of 17 degrees with the vertical. This can cause a normal load factor error of -0.5 on the cockpit instrument during a maneuver in which the airframe center of gravity experiences a normal load factor of 5.0 (see reference (b)).

A difference during certain maneuvers was also found when an individual reading comparison was made between the center of gravity and the aft accelerometers. For example, during a horizontal roll (in Appendix A, aircraft serial number 153086, flight number 11, sequence number 1071) the aft accelerometer recorded a higher load (6.29) than

recorded by the center of gravity accelerometer (3.24) or a difference of 3.05. After examining the difference in loads experienced at the center of gravity and the aft compartment, the NAVAIRDEVCON took immediate action to relocate the statistical counting accelerometer transducer from the aft compartment to the center of gravity (fuselage station 314.5) of the airframe in all FDT F-4J aircraft.

6. A comparison was made between the load factor exceedances recorded by the counting accelerometer and those recorded by the three accelerometers of the oscillograph recording system. The counting accelerometer recorded normal load factor exceedances of 6, 7, 8.5, and 10. Tables 3 and 4 include these exceedances and normal load factor exceedances of 5.8, 6.8, 8.3, and 9.8 recorded by the oscillograph recorder. These levels are represented at 6, 7, 8.5, and 10 in the tables. This difference in threshold was necessary to bring the two recording systems in line with their dynamic tolerances.

Table 3 presents 42.40 hours of comparison data (all aft accelerometer data was eliminated from this comparison). Based on this data, the counting accelerometer recorded a higher number of counts at the 7.0 normal load factor level and above than the oscillograph recorder accelerometers mounted in the aft cockpit and at the center of gravity.

Table 4, which included valid aft accelerometer data, shows that the counting accelerometer recorded a greater number of exceedances than the aft mounted oscillograph accelerometer at normal load factor levels of 7.0 and above. There was close agreement between the aft oscillograph accelerometer and the statistical counting accelerometer up to the 7.0 load factor level. For a flight-by-flight count comparison, see the summary table in Appendix A of normal load factor occurrences for each recording system following each flight.

7. A study was made of the maneuvers flown by the FDT during flight demonstrations and practices. Whenever possible, the pilots were contacted after a flight and assisted in identifying various maneuvers directly on the processed flight records. Tables 5 to 10 present a sample of the maneuvers flown during the study and the normal load factor exceedances which occurred during the execution of the maneuver. It must be stressed that these tables represent only a sample of the maneuvers flown during the study (note maneuver frequency columns in tables 5 to 10). Table 11 is a list of the FDT maneuver codes assigned for data analysis during this study. These codes are used in the data presentations of Appendix A.

The tables on the solo aircraft (serial numbers 153076 and 153086) show that the highest frequency of positive normal load factor occurrences was recorded during the rolling type maneuvers, such as the horizontal roll, the four-point roll, the eight-point roll, and the knife edge. The highest frequency of negative normal load factor occurrences was recorded on the inverted type maneuvers, such as the inverted pass and the inverted-to-inverted pass.

The tables on the Diamond aircraft (serial number 153082) show that the highest frequency of positive normal load factor occurrences was recorded during the "fleur-de-lis" maneuver. The maneuver which resulted in both the highest negative load and the highest frequency of negative loading was the "tuck-under break".

8. Appendix A presents an individual data point listing for each flight monitored during the FDT F-4J study. Included in the data are gross weight, airspeed, altitude, normal load factors recorded by the fore, center of gravity, and aft accelerometers and the maneuver code of the reading. It should be noted again that only a sample of the maneuvers were coded during this study. Also presented for each flight is a summary of the counting accelerometer load occurrences and the occurrences from the three oscillograph recorder accelerometers. In addition, a table for each flight is presented listing load factor occurrences exceeding 5.8. These tables show that the lead aircraft in the diamond (serial number 153082) on all but one flight never exceeded a normal load factor of 6.5 on either of the three oscillograph accelerometers. On the one remaining flight, the highest normal load factor experienced was 7.5. This was not the case with the two solo aircraft (serial numbers 153076 and 153085), which sometimes exceed load factors of 9.0 and 10.0 and on most flights exceed at least 8.5 during maneuvers.

9. Appendix B presents a breakdown of the normal load factor distribution of the three oscillograph recorder accelerometers for various airspeed bands. These tables include the composite of all three aircraft and also individual aircraft breakdowns.

### CONCLUSIONS

1. A positive normal load factor (as measured at the center of gravity) of 7.4 was recorded only once on the lead aircraft (side number 1) in the diamond formation. On all other flights, a positive normal load factor on this aircraft in excess of 7.0 was not recorded. It can be concluded that a positive normal load factor of 7.0 is usually not exceeded by the entire diamond formation (side numbers 1, 2, 3 and 4) during FDT performances. (All load factors referred to in this section are observed, not effective or incremental.) A negative normal load

factor (as measured at the center of gravity) of -2.87 was recorded only once on the lead aircraft in the diamond formation. On all other flights, a negative normal load factor on this aircraft less than -1.92 was never recorded.

2. The solo aircraft consistently recorded higher normal load factor occurrences than the lead aircraft in the diamond formation. Positive normal load factors (as measured at the center of gravity) up to 8.4 were recorded on aircraft serial no. 153076, and negative normal load factors (as measured at the center of gravity) down to -3.53. Positive normal load factors up to 8.96 were recorded on aircraft serial no. 153085, and negative normal load factors down to -3.59. In addition, the frequency of all loads experienced by the solo aircraft was greater than the frequency of loads experienced by the diamond aircraft. It can be concluded that the solo aircraft is being much more severely utilized than the diamond aircraft.

3. When the observed incremental normal load factor curves for the FDT aircraft are corrected for gross weight (see Figures 11 through 14), the resulting curves of effective incremental normal load factor show a shift to a higher frequency for any given load and to a higher load for any given frequency. The gross weights of the aircraft are above the design gross weight for 70 percent of the demonstration time and, therefore, during this time the effect on the airframe of any given effective normal load is higher than the observed value.

4. The lead diamond aircraft maneuver which results in both the highest positive load and the highest frequency of loading is the "fleur-de-lis." The maneuver which resulted in both the highest negative load and the highest frequency of negative loading is the "tuck-under break" (see Tables 7 and 8).

5. The solo aircraft maneuvers which result in both the highest positive loads and the highest frequency of loading are the "horizontal roll", "knife edge", and "four-point roll." The maneuvers which cause both the highest negative loads and the highest frequency of negative loading are the "inverted-to-inverted pass", and the "inverted pass" (see Tables 5, 6, 8 and 9).

6. When the oscillograph accelerometer data from the three different aircraft locations was analyzed, it was concluded that on certain maneuvers neither the fore accelerometer (located in the aft cockpit) nor the aft accelerometer (located in the R89 compartment) will measure the same load as the center of gravity accelerometer. Therefore, the counting accelerometer transducer located aft of the center of gravity (in the R89 compartment) and the pilot's cockpit instrument panel accelerometer will not measure the load correctly as experienced at the aircraft center of gravity. For this reason, the counting accelerometer transducer has been relocated to the center of gravity of all FDT F-4J aircraft (September 1970).

7. When the data from the oscillograph accelerometer located in compartment R89 is compared to the data from the counting accelerometer which is located next to the oscillograph accelerometer, the results show that there is close agreement up to the normal load factor level of 7.0. Above 7.0 (at the 7.0 and 8.5 levels), there is a significant difference in the number of exceedances recorded on the solo aircraft, with the counting accelerometer reading higher than the oscillograph accelerometer.

#### RECOMMENDATIONS

1. As a result of this study the counting accelerometer transducer was relocated from compartment R89 aft of the center of gravity to the keel web fuselage station 314.5 on all Navy FDT F-4J aircraft. The counting accelerometer will thereby record what load the airframe is actually seeing at its center of gravity. It is recommended that further studies be performed on fleet aircraft to determine whether relocation of the counting accelerometer is necessary on all fleet F-4 aircraft.

2. The F-4 pilot's instrument panel and mechanical accelerometer mounted on this panel are at an angle of 17 degrees with the vertical axis (see reference (b)) causing a drag error of -0.5 at a 5.0 normal load factor condition at the center of gravity. In addition, the results of this study show that on certain maneuvers the forward section of the airframe will experience a less severe load than that experienced at the center of gravity. For these two reasons, it is strongly recommended that the F-4J aircraft's acceleration limitations shown in reference (c) (exceedances of acceleration limits are reported based on pilot's cockpit accelerometer) be lowered from a normal load factor of 8.5 (at gross weights below 37,500 pounds) to 7.5 or at most 8.0 until the pilot's mechanical accelerometer system is modified.

3. It is recommended that an instrument be designed and installed in all Naval aircraft that would measure the normal load at the center of gravity of the aircraft and display this measurement in the pilot's cockpit.

4. It is strongly recommended that the present counting accelerometer maintenance support be increased to enable quick identification and replacement of all malfunctioning counting accelerometer systems.

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REFERENCES

- (a) Report No. NADC-ST-7013, "Statistical Presentation of Naval Aircraft Counting Accelerometer Data from 1 January 1962 to 1 July 1970," dated 15 October 1970.
- (b) Report No. NADC-AM-6656, "The Investigation and Evaluation of Reported Accelerometer Problems in the F-4 and F-8 Aircraft," dated 27 September 1966.
- (c) NAVTOPS Flight Manual (U) F-4J Aircraft, NAVAIR 01-245 FDD-1, Change 1, 15 January 1970.

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TABLE I  
IDENTIFICATION OF INSTRUMENTED AIRCRAFT

Aircraft Model	Serial Number	FDT Side Number	Formation Position	Hrs. of Valid Flight Data
F-4J	153076	6	Solo	14.43
F-4J	153082	1	Diamond	15.31
F-4J	153085	5	Solo	13.16
				<hr/> 42.90

Table II

DEMONSTRATIONS AND PRACTICES MONITORED DURING FDT F-4J FLIGHT LOADS STUDY

DATE	LOCATION	NO. OF DEMONSTRATIONS
2-3 May 1970	NAS, Norfolk, Va.	2
8-9 May 1970	NAF, China Lake, Calif.	2
10 May 1970	NAS, Lemoore, Calif.	1
15-16 May 1970	NAS, Willow Grove, Pa.	2
17 May 1970	NAS, Lakehurst, N.J.	-*
21-22 May 1970	NAS, Memphis, Tenn.	2**
23 May 1970	Bay City, Tex.	1**
24 May 1970	NAS, Chase Field, Tex.	1**
30-31 May 1970	Selfridge AFB, Detroit, Mich.	1
2 Jun 1970	Annapolis, Md.	1
7 Jun 1970	NAS, Quonset Point, R. I.	1
12-13 Jun 1970	NAS, Iberia, Louisiana	2***
14 Jun 1970	NAS, Pensacola, Fla.	1
19-21 Jun 1970	NAS, Corpus Christi, Tex.	3

\* Heavy rain - no demonstration only fly-by.

\*\* Demonstrations flown with only one solo aircraft.

\*\*\* One of two demonstrations flown with only one solo aircraft.



Table III

COUNT COMPARISON - F-4J BLUE ANGELS  
(Aft Not Included)

Load Factor	6.0	7.0	8.5	10.0
153076* (13.93 hrs.)				
COUNTER	141	67	12	0
CG	110	22	1	0
FORE	100	20	0	0
153082 (15.31 hrs.)				
COUNTER	17	3	0	0
CG	15	2	0	0
FORE	14	3	0	0
153085 (13.16 hrs.)				
COUNTER	222	96	20	1
CG	214	81	5	0
FORE	210	61	5	0
TOTAL (42.40 hrs.)				
COUNTER	380	166	32	1
CG	339	106	6	0
FORE	324	84	5	0

\* Counter jammed on Flight 15, 153076. This flight was eliminated from Table.

Note: Exceedances of 5.8, 6.8, 8.3, and 9.8 normal load factors for the CG and fore accelerometers are included in this Table under 6.0, 7.0, 8.5, and 10.0, respectively. This difference in threshold values accounts for the differing dynamic characteristics of the two recording systems.

Table IV

## COUNT COMPARISON - F-4J BLUE ANGELS

Load Factor	6.0	7.0	8.5	10
153076* (2.13 hrs.)				
COUNTER	18	11	4	0
CG	13	6	1	0
FORE	12	5	0	0
AFT	12	6	1	0
153082 (15.31 hrs.)				
COUNTER	17	3	0	0
CG	15	2	0	0
FORE	14	3	0	0
AFT	15	1	0	0
153085 (13.16 hrs.)				
COUNTER	222	96	20	1
CG	214	81	5	0
FORE	210	61	5	0
AFT	211	81	11	0
TOTAL (30.60 hrs.)				
COUNTER	257	110	24	1
CG	242	89	6	0
FORE	236	69	5	0
AFT	238	88	12	0

\*Only based on 3 flights.

Note: Exceedances of 5.8, 6.8, 8.3, and 9.8 normal load factors for the CG, fore, and aft accelerometers are included in this table under 6.0, 7.0, 8.5, and 10.0 respectively. This difference in threshold value accounts for the differing dynamic characteristics of the two recording systems.

TABLE V

POSITIVE N<sub>2</sub> EXCEEDANCES DURING MANEUVERS OF F-4J "BLUE ANGELS" AIRCRAFT  
AIRCRAFT SER. NO. 153076 NO. OF FLTS. 12 FLT. HRS. 8.23

N<sub>2</sub> EXCEEDANCES

MANEUVER	MAN FREQUENCY	5.0			6.0			7.0			8.0			9.0			10.0		
		FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*
VERTICAL ROLL	4	5	5	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
4 POINT ROLL	12	18	21	-	4	6	-	1	1	-	0	0	-	0	0	-	0	0	-
8 POINT ROLL	3	5	6	-	2	2	-	0	0	-	0	0	-	0	0	-	0	0	-
KNIFE EDGE	17	36	39	-	12	18	-	3	3	-	0	0	-	0	0	-	0	0	-
DOUB. REV. IMELMANN	1	2	2	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
INVERTED PASS	10	7	7	-	3	2	-	0	0	-	0	0	-	0	0	-	0	0	-
1/2 CUBAN EIGHT	3	4	4	-	1	1	-	0	0	-	0	0	-	0	0	-	0	0	-
SOLO SPACER	2	2	2	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
CLEAR LINE	1	2	2	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
HORIZONTAL ROLL	9	16	16	-	5	5	-	1	1	-	0	0	-	0	0	-	0	0	-
SLOW-FAST	1	2	2	-	1	1	-	0	0	-	0	0	-	0	0	-	0	0	-
INVERTED TO INVERTED	6	4	4	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
SOLO LOOP	4	3	3	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
TUCK AWAY BREAK	5	5	8	-	4	4	-	1	1	-	0	0	-	0	0	-	0	0	-

\* Aft accelerometer data deleted

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TABLE VI

NEGATIVE N<sub>2</sub> EXCEEDANCES DURING MANEUVERS OF F-4J "BLUE ANGELS" AIRCRAFT  
AIRCRAFT SER. NO. 153076 NO. OF FLTS. 12 FLT. HRS. 8.23

N<sub>2</sub> EXCEEDANCES

MANEUVER	MAN FREQ	-1.0			-1.5			-2.0			-2.5			-3.0			-3.5		
		FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*	FORE	CG	AFT*
VERTICAL ROLL	4	2	1	-	0	1	-	0	0	-	0	0	-	0	0	-	0	0	-
4 POINT ROLL	12	17	13	-	10	11	-	3	3	-	0	1	-	0	0	-	0	0	-
8 POINT ROLL	3	4	4	-	2	1	-	0	0	-	0	0	-	0	0	-	0	0	-
KNIFE EDGE	17	5	4	-	2	1	-	1	1	-	0	1	-	0	0	-	0	0	-
DOUB REV IMELMANN	1	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
INVERTED PASS	10	15	15	-	11	13	-	6	9	-	1	3	-	0	0	-	0	0	-
1/2 CUBAN EIGHT	3	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
SOLO SPACER	2	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
CLEAR LINE	1	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
HORIZONTAL ROLL	9	8	5	-	3	1	-	0	0	-	0	0	-	0	0	-	0	0	-
SLOW-FAST	1	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
INVERTED TO INVERTED	6	20	20	-	18	18	-	9	9	-	3	5	-	0	1	-	0	0	-
SOLO LOOP	4	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-
TUCK AWAY BREAK	5	3	0	-	0	0	-	0	0	-	0	0	-	0	0	-	0	0	-

\* Aft accelerometer data deleted

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TABLE VII

POSITIVE  $N_z$  EXCEEDANCES DURING MANEUVERS OF F-4J "BLUE ANGELS" AIRCRAFT  
AIRCRAFT SER. NO. 153082 NO. OF FLTS. 4 FLT. HRS. 2.44

$N_z$  EXCEEDANCES

MANEUVER	MAN FREQ	5.0			6.0			7.0			8.0			9.0			10.0		
		FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT
DIAMOND ROLL	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND FARVEL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TUCK UNDER BREAK	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
FLUER DE LIS	3	2	2	2	2	1	2	0	0	0	0	0	0	0	0	0	0	0	0
SLOW-FAST	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND LOOP	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND OPENER	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROSS OVER	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHANGE OVER ROLL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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TABLE VIII

NEGATIVE  $N_z$  EXCEEDANCES DURING MANEUVERS OF F-4J "BLUE ANGELS" AIRCRAFT  
AIRCRAFT SER. NO. 153082 NO. OF FLTS. 4 FLT. HRS. 2.44

$N_z$  EXCEEDANCES

MANEUVER	MAN FREQ	-1.0			-1.5			-2.0			-2.5			-3.0			-3.5		
		FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT
DIAMOND ROLL	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND FARVEL	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
TUCK UNDER BREAK	3	2	2	2	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0
FLUER DE LIS	3	2	2	2	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
SLOW-FAST	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND LOOP	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DIAMOND OPENER	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CROSS-OVER	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CHANGE OVER ROLL	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

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TABLE IX

POSITIVE  $N_z$  EXCEEDANCES DURING MANEUVERS OF F-4J "BLUE ANGELS" AIRCRAFT  
AIRCRAFT SER. NO. 153085 NO. of FLTS. 9 FLT. HRS. 6.40

$N_z$  EXCEEDANCES

MANEUVER	MAN FREQ	5.0			6.0			7.0			8.0			9.0			10.0		
		FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT
VERTICAL ROLL	5	5	6	7	1	1	3	0	0	0	0	0	0	0	0	0	0	0	0
4 POINT ROLL	13	21	25	26	7	11	13	2	2	2	1	1	1	0	0	0	0	0	0
8 POINT ROLL	6	11	11	11	5	9	5	1	1	1	0	0	0	0	0	0	0	0	0
KNIFE EDGE	12	23	23	23	11	11	13	4	4	6	0	1	2	0	0	0	0	0	0
DOUB REV IMMELMANN	4	8	8	5	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0
INVERTED PASS	7	10	9	10	7	7	7	4	4	3	0	0	0	0	0	0	0	0	0
1/2 CUBAN EIGHT	5	5	5	5	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0
SOLO SPACER	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CLEAR LINE	5	6	6	6	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0
HORIZONTAL ROLL	18	30	30	31	16	19	21	3	6	12	1	1	5	0	0	1	0	0	0
INVERTED TO INVERTED	2	3	2	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
SOLO LOOP	6	6	5	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
TUCK AWAY BREAK	3	4	5	4	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0

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TABLE X

NEGATIVE N<sub>2</sub> EXCEEDANCES DURING MANEUVERS OF F-4J "BLUE ANGELS" AIRCRAFT  
AIRCRAFT SER. NO. 153085 NO. OF FLTS 9 FLT. HRS. 6.40

N<sub>2</sub> EXCEEDANCES

MANEUVER	MAN FREQ	-1.0		-1.5		-2.0		-2.5		-3.0		-3.5	
		FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT	FORE	CG	AFT
VERTICAL ROLL	5	4	0	0	4	0	0	1	0	0	0	0	0
4 POINT ROLL	13	18	14	22	8	4	9	0	3	2	0	0	0
8 POINT ROLL	6	17	16	22	5	5	5	1	1	0	0	0	0
KNIFE EDGE	12	10	3	12	0	0	3	0	0	0	0	0	0
DOUB. REV. IMMELMANN	4	0	0	0	0	0	0	0	0	0	0	0	0
INVERTED PASS	7	8	7	9	6	6	5	5	4	5	2	2	4
1/2 CUEAN EIGHT	5	1	1	0	0	0	0	0	0	0	0	0	0
SOLO SPACER	2	0	0	0	0	0	0	0	0	0	0	0	0
CLEAR LINE	5	0	0	0	0	0	0	0	0	0	0	0	0
HORIZONTAL ROLL	18	14	3	2	7	1	0	2	0	0	0	0	0
INVERTED TO INVERTED	2	6	6	6	4	5	4	2	4	3	0	2	1
SOLO LOOP	6	0	0	0	0	0	0	0	0	0	0	0	0
TUCK AWAY BREAK	3	1	0	0	0	0	0	0	0	0	0	0	0



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TABLE XI

MANEUVER CODING FOR F-4J "BLUE ANGEL" AIRCRAFT FLIGHT LOADS STUDY

<u>MANEUVER</u>	<u>CODES</u>
Vertical Roll	30
4 Point Roll	31
8 Point Roll	33
Knife Edge	34
Double Reverse Immelmann	35, 36
Inverted Pass (Solo)	37
$\frac{1}{2}$ Cuban Eight	38
Solo Spacer	39
Clear Line	40
Tuck Under Break (Diamond)	41
Fleur De Lis	42
Horizontal Rolls	43
Slow-Fast	44
Inverted to Inverted	45
Diamond Loop	46
Diamond Opener	47
Cross Over	48
Diamond Roll	32, 57
Change Over Roll	59
Tuck Away Break (Solo)	60
Farvel (Diamond)	37
Solo Loop	49, 46

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Figure 1. Navy Flight Demonstration Team - Blue Angels

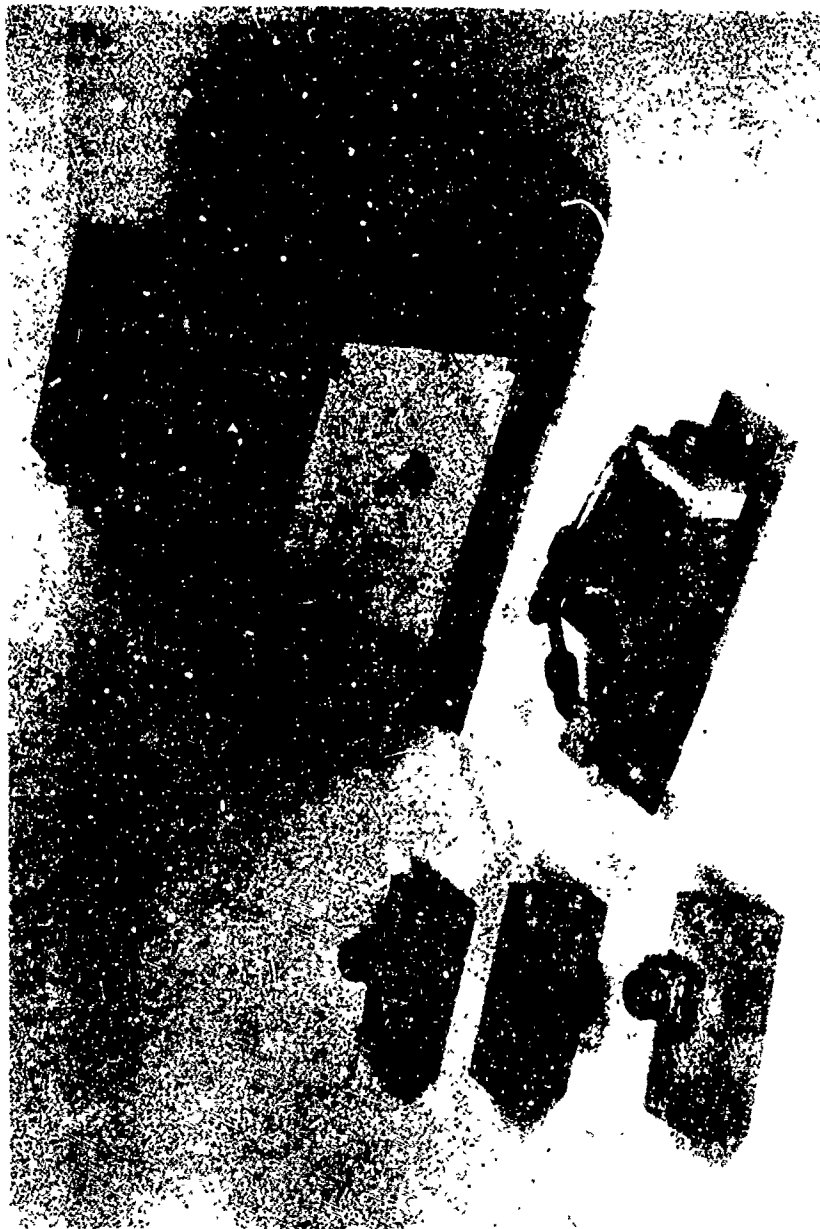


Figure 2. Oscillograph Flight Loads Recording System

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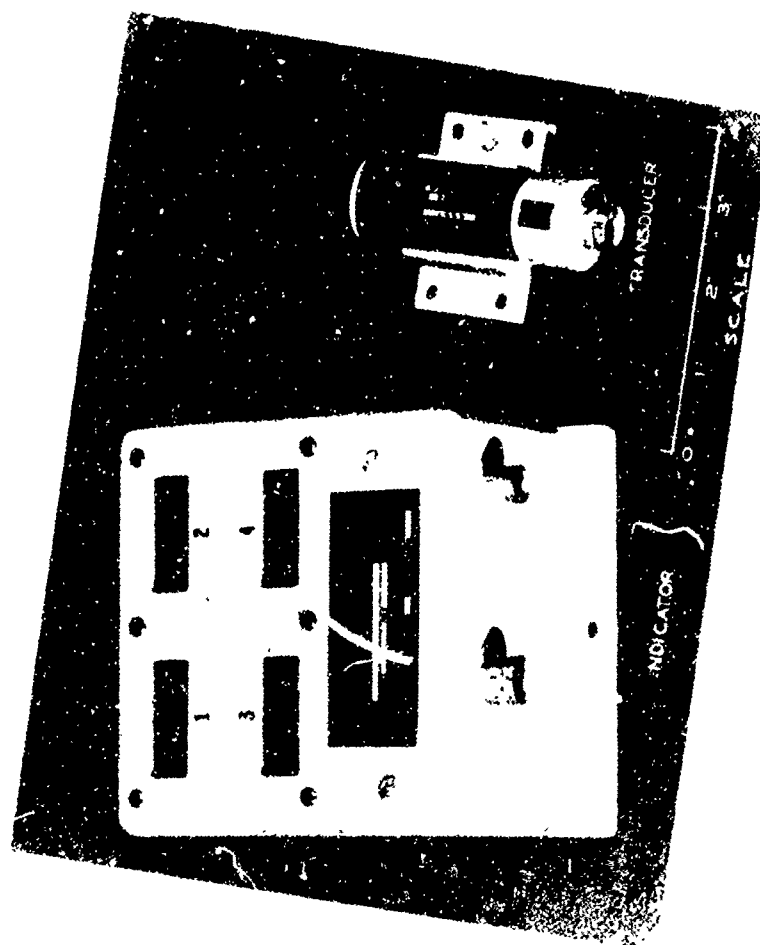
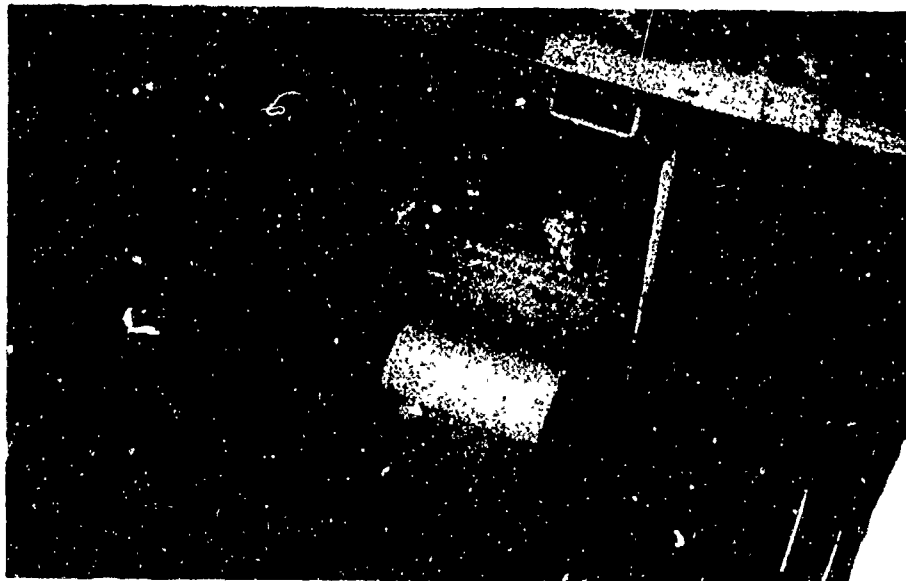


Figure 3. Statistical Counting Accelerometer System.



(a) With magazine installed.



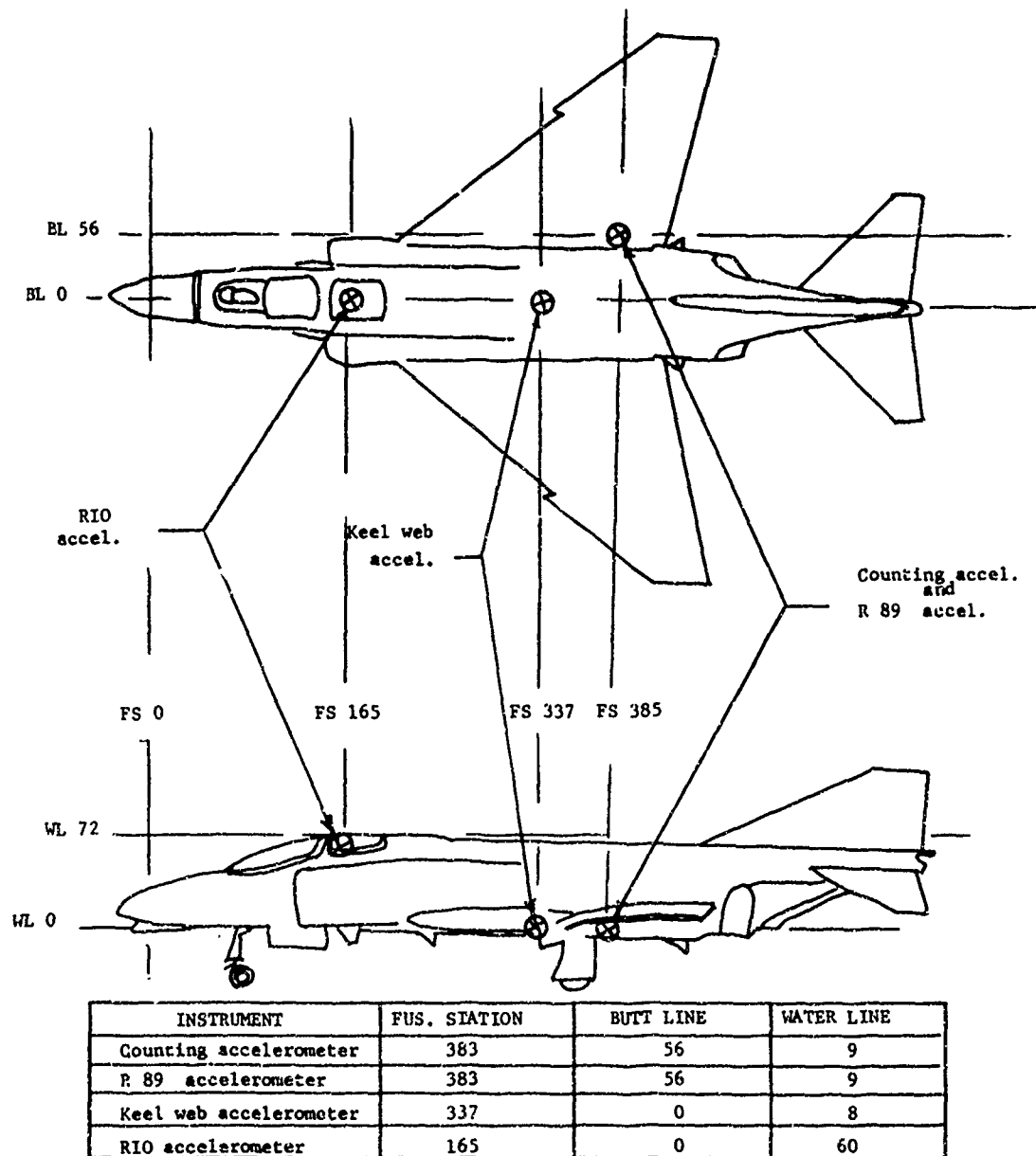
(b) With magazine removed.

Figure 4. Oscillograph Recorder Installation.



Figure 5. Airspeed and Altitude Transducer Installation.

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ACCELEROMETER LOCATIONS IN FDT F-4J AIRCRAFT

Figure 7.

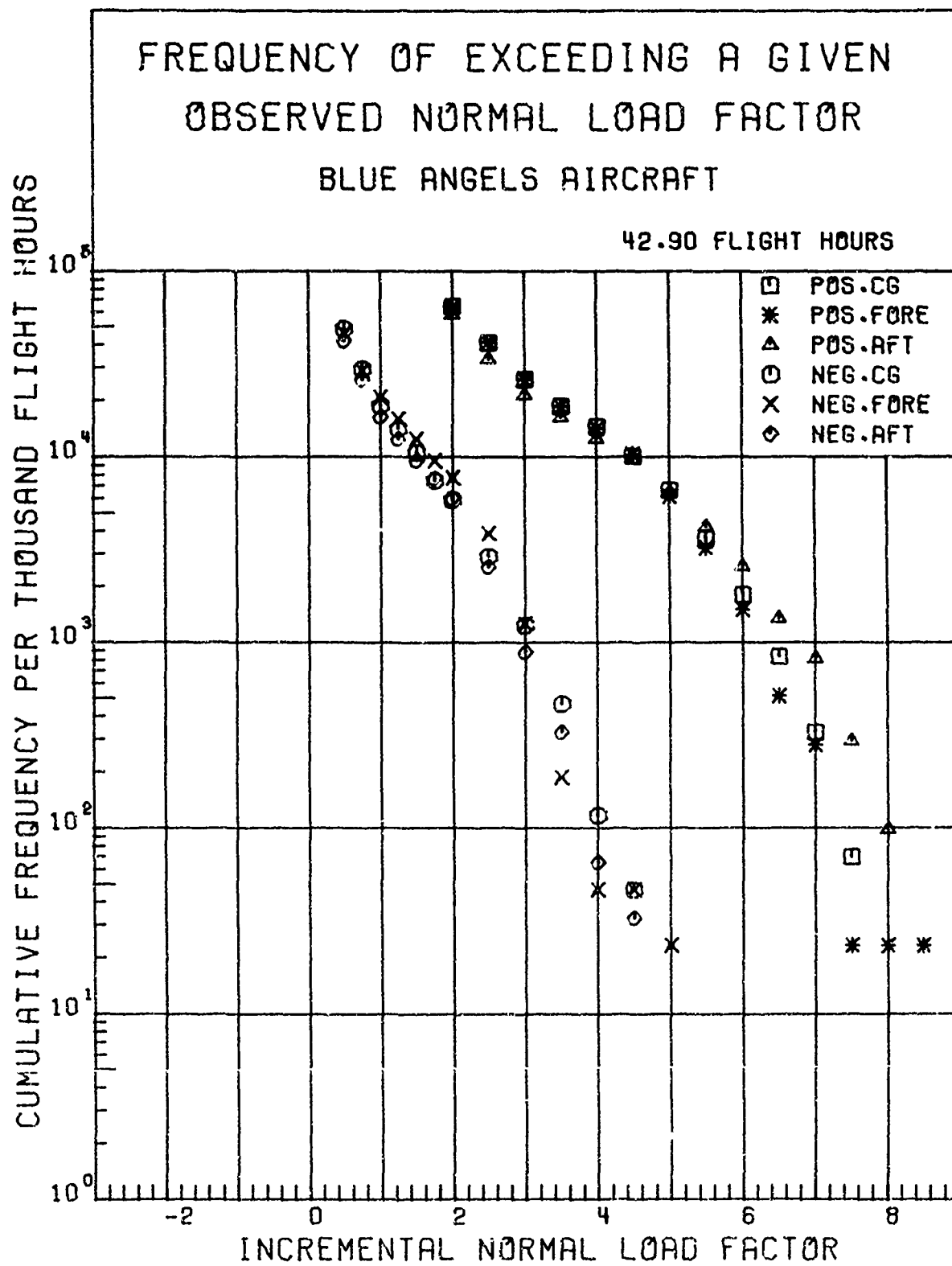




Figure 8.

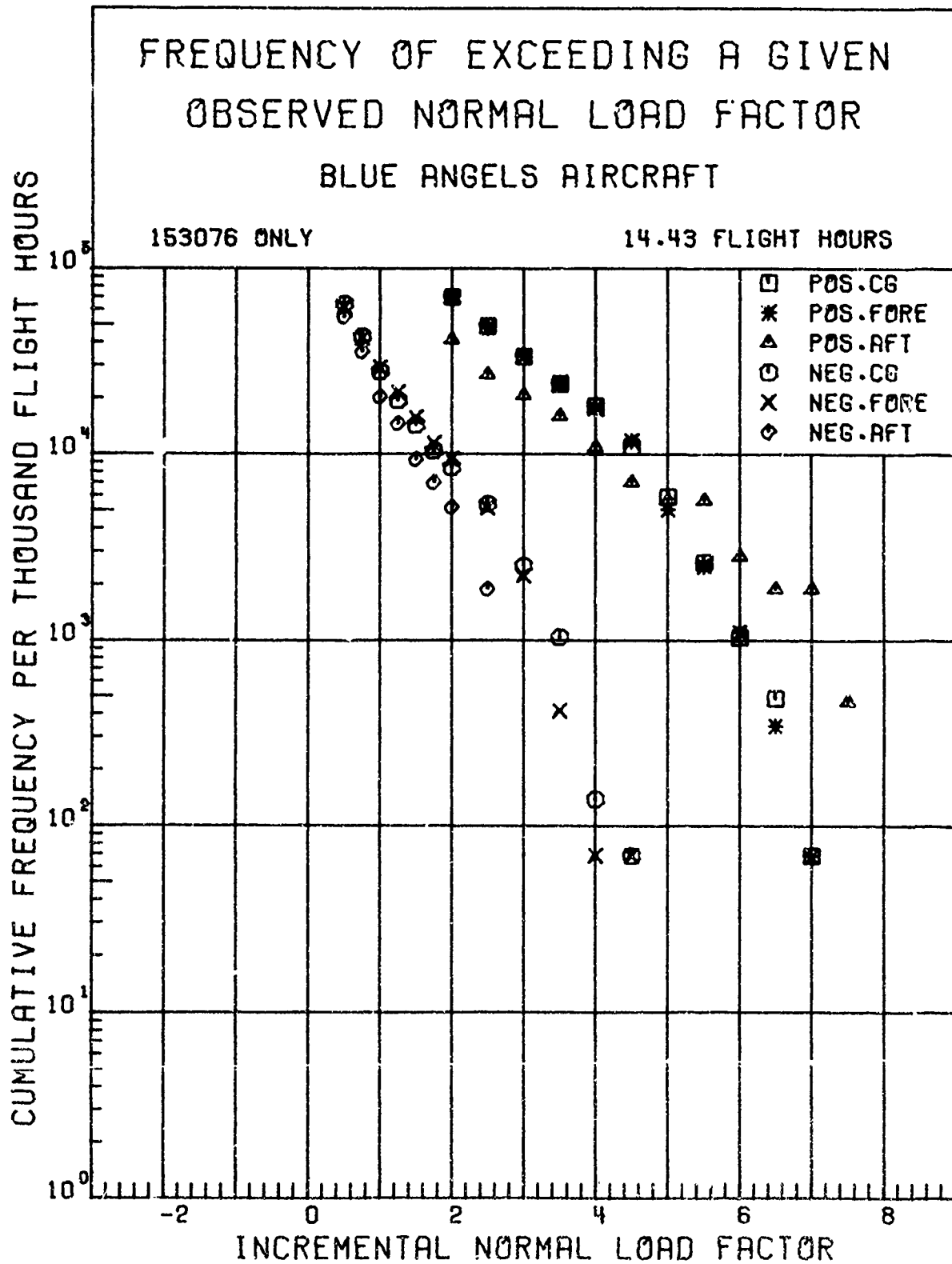


Figure 9.

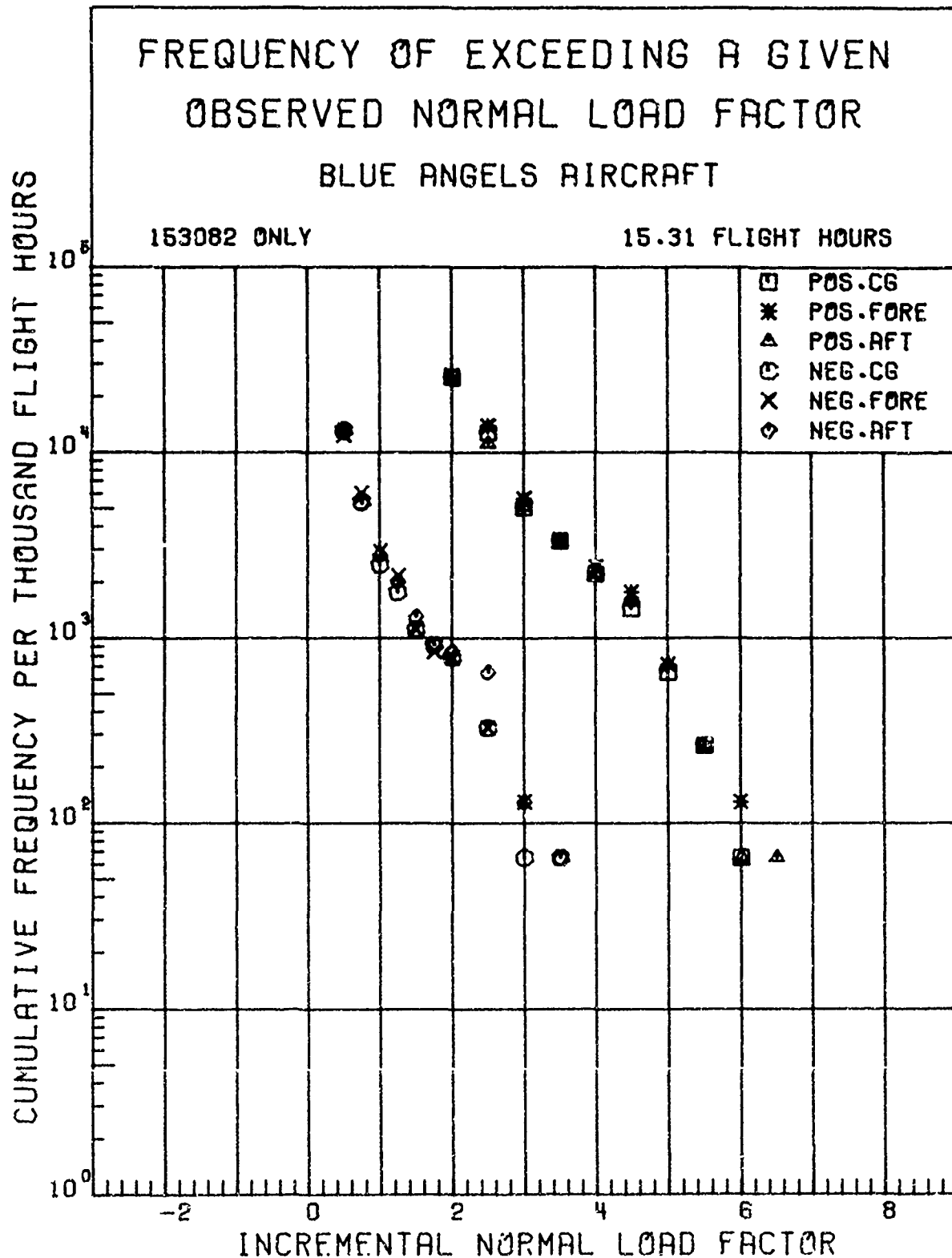


Figure 10.

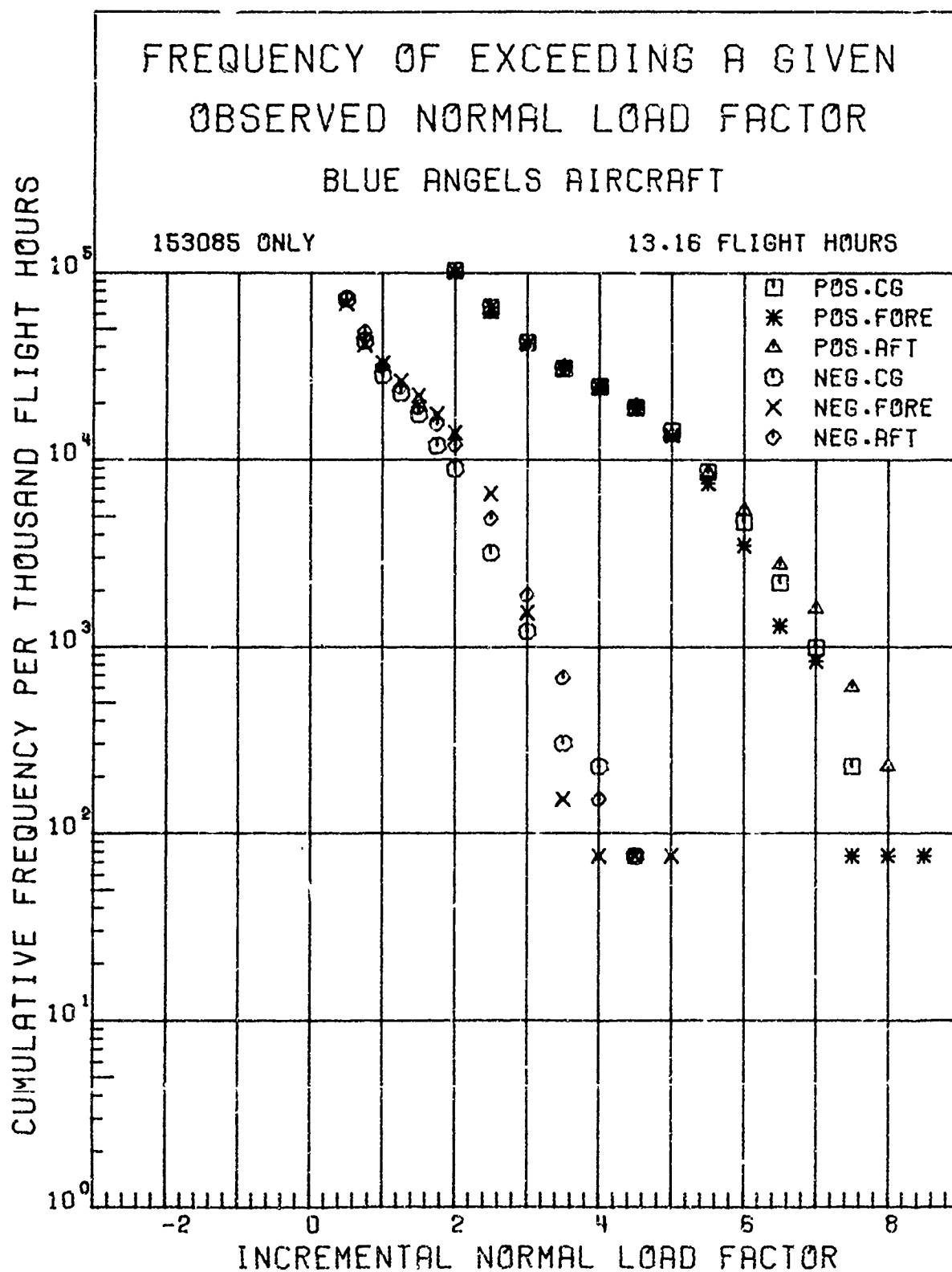


Figure 11.

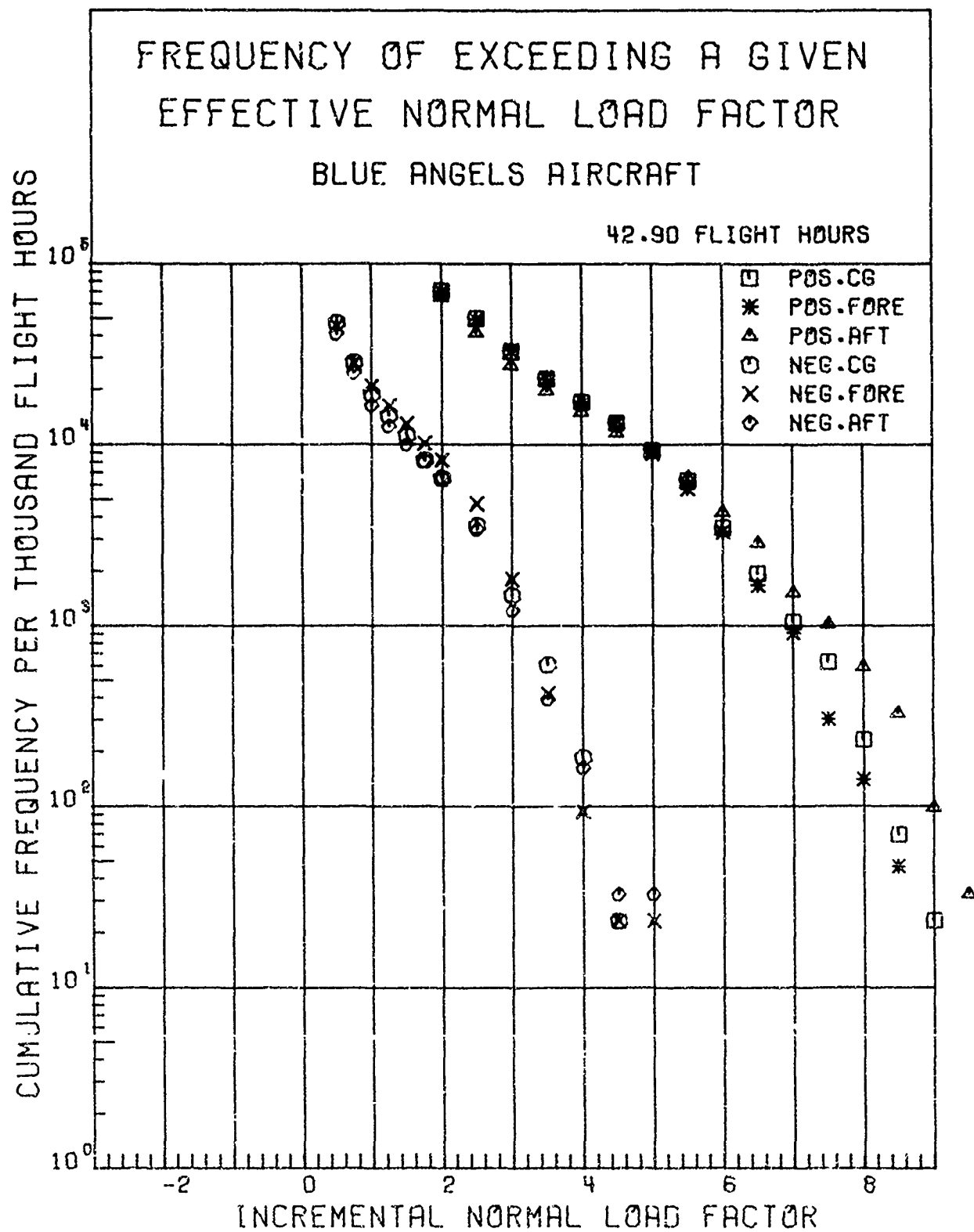


Figure 12.

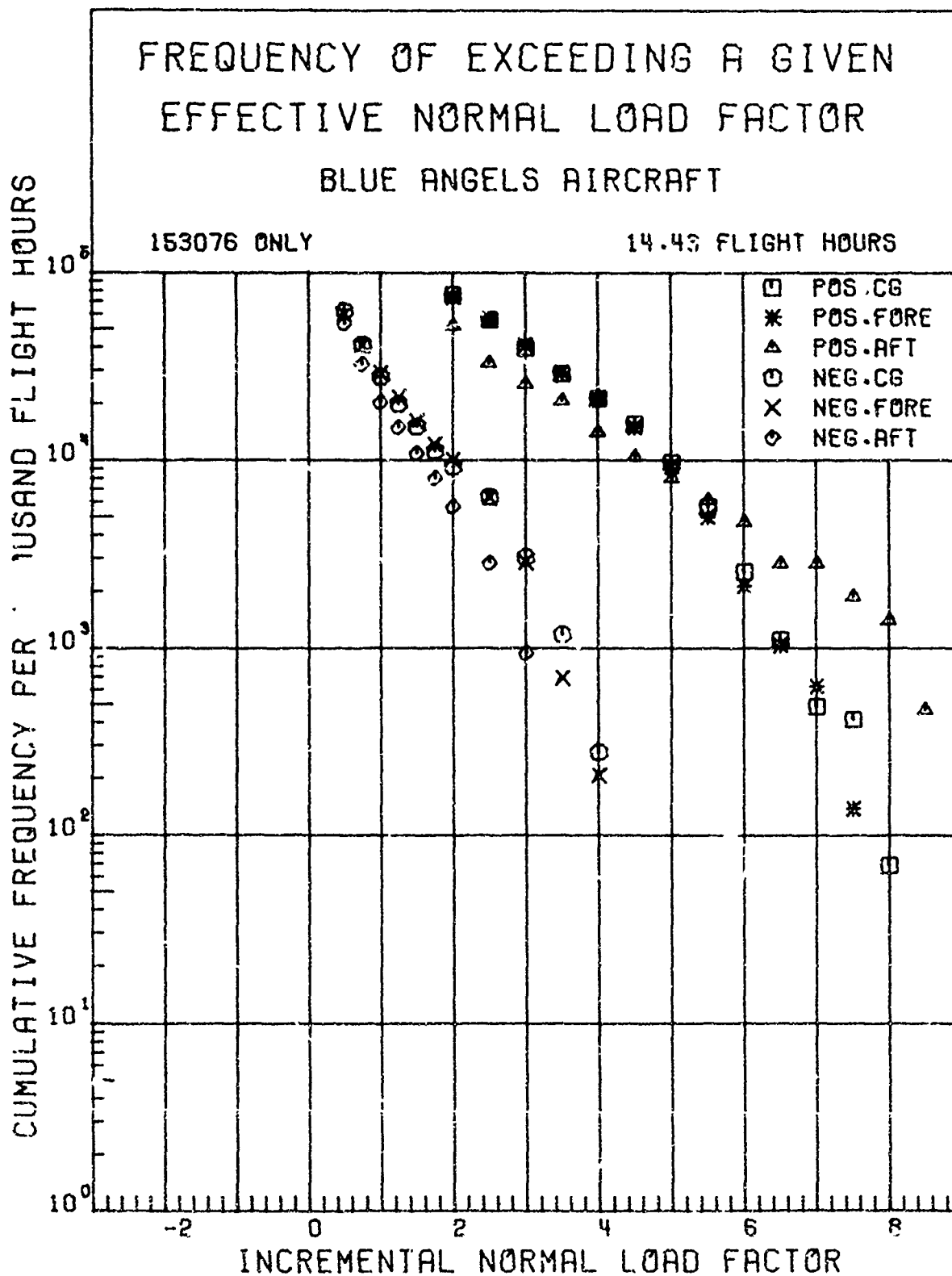


Figure 13.

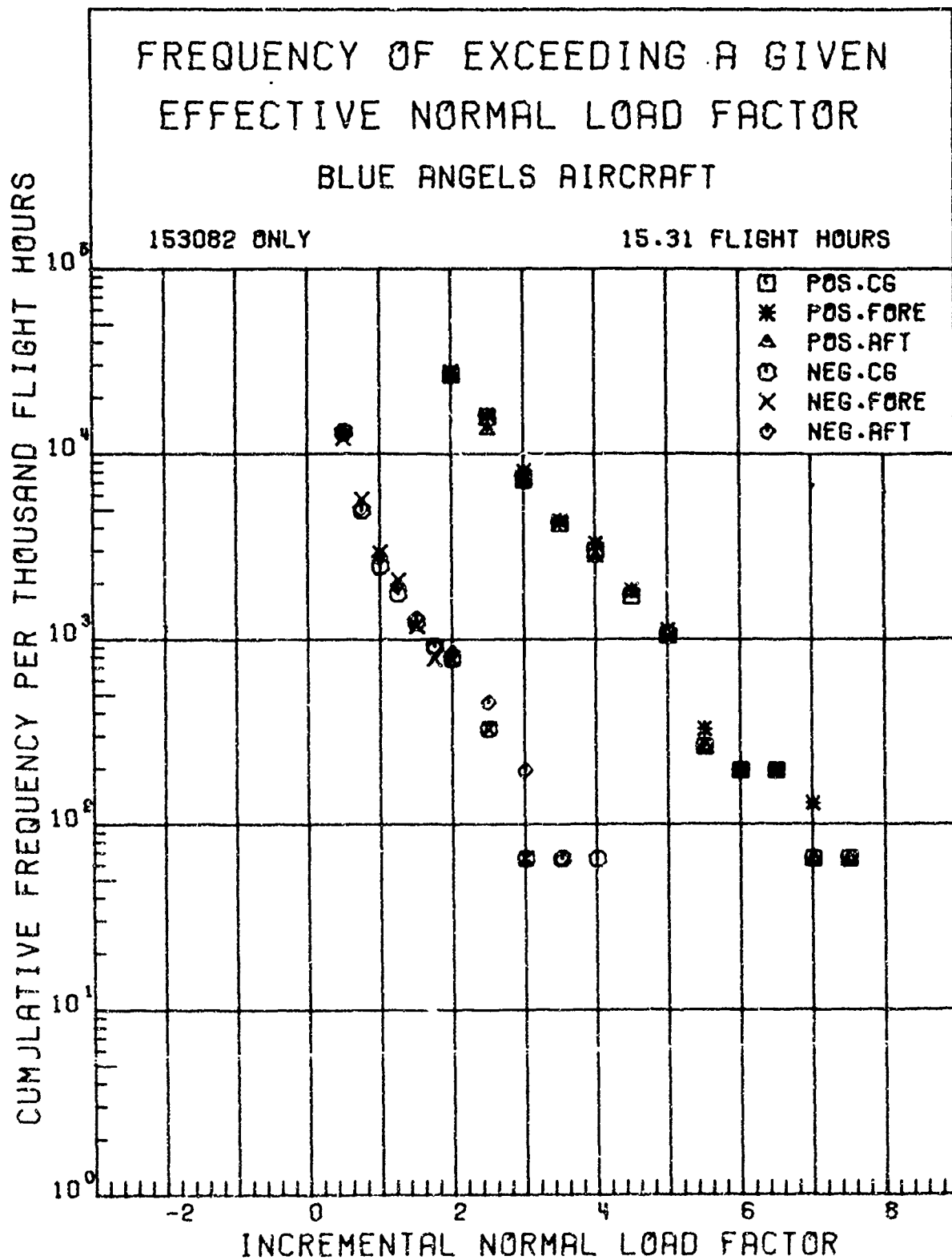
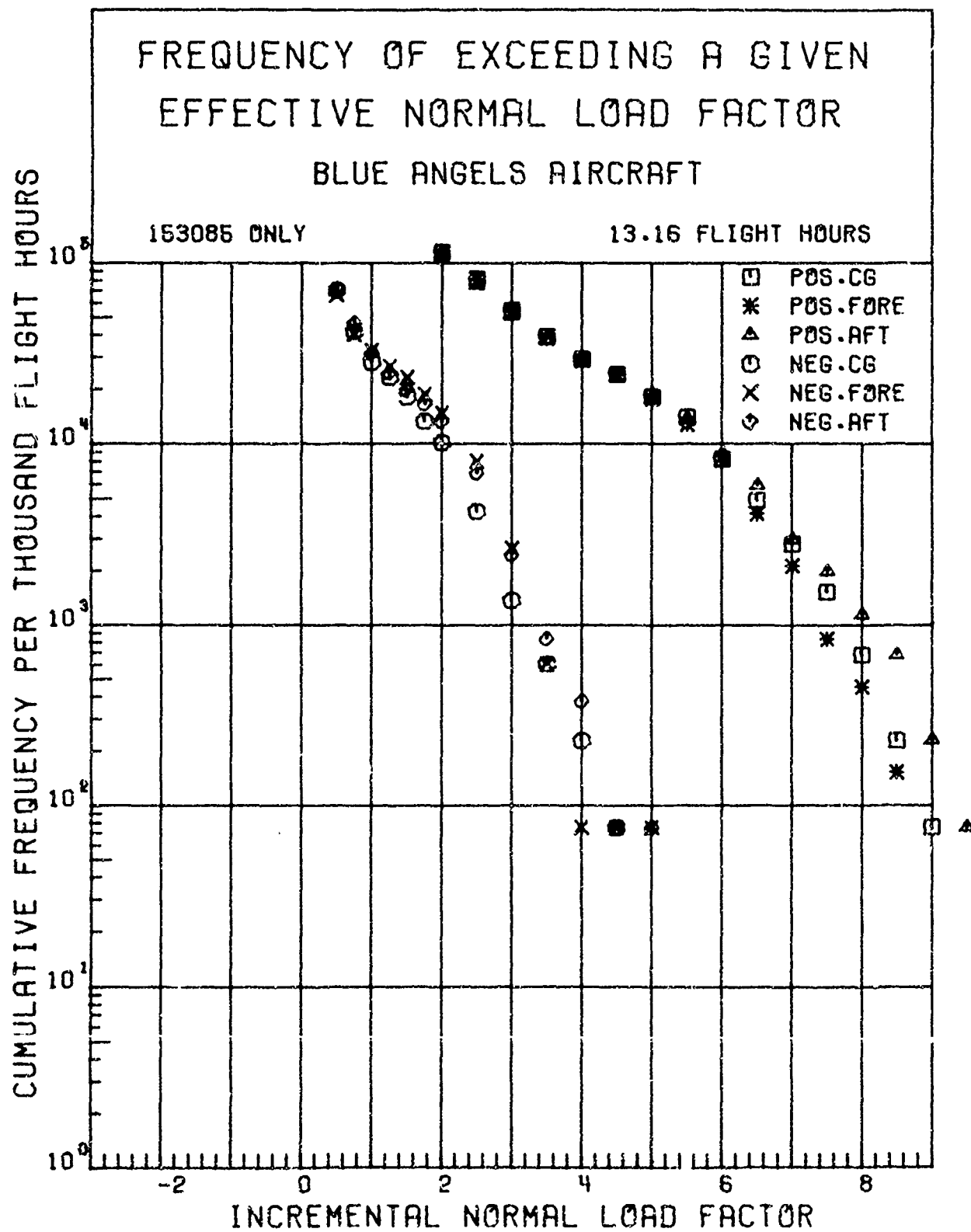
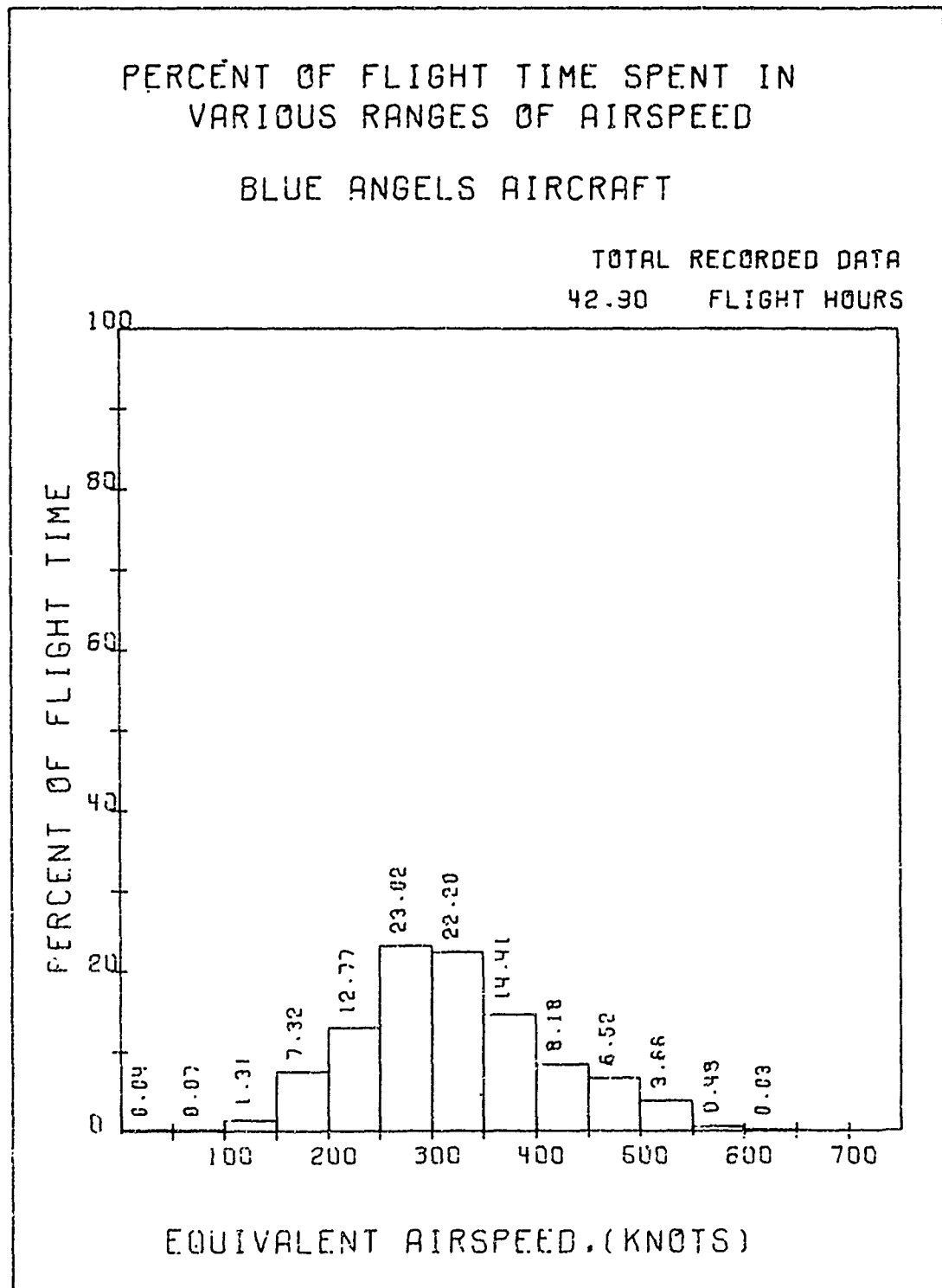


Figure 14.



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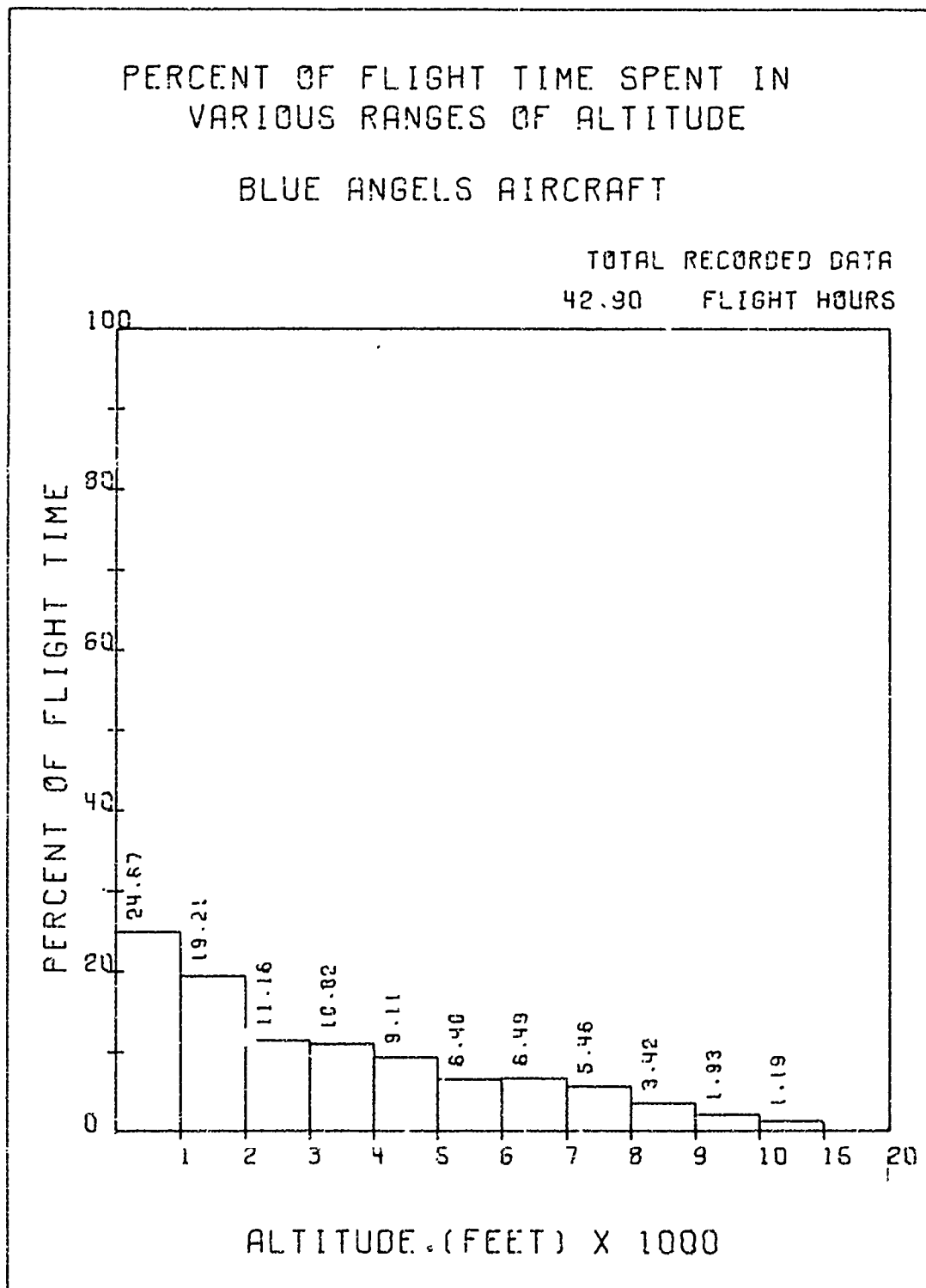
Figure 15.





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Figure 16.



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Figure 17.

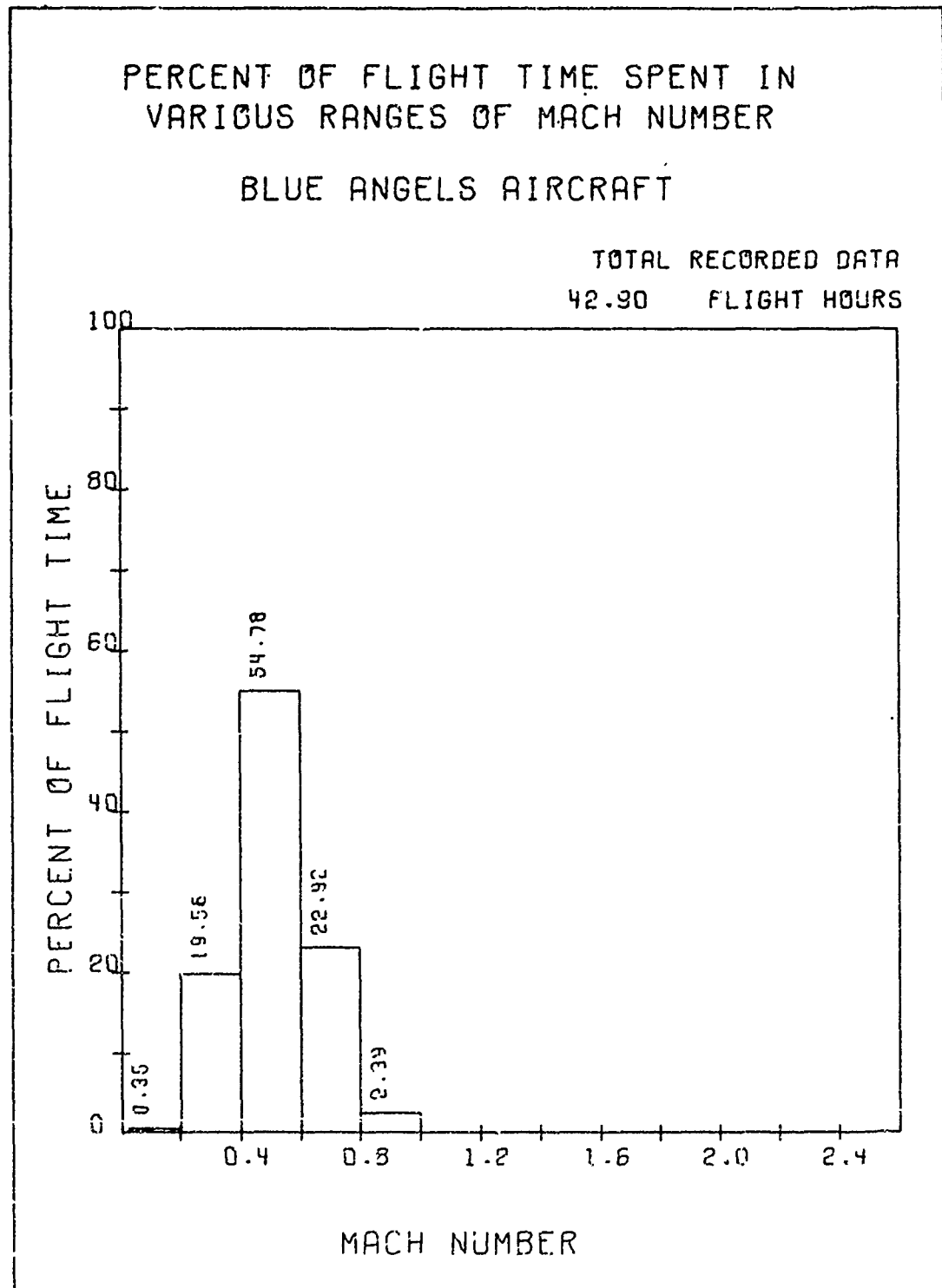
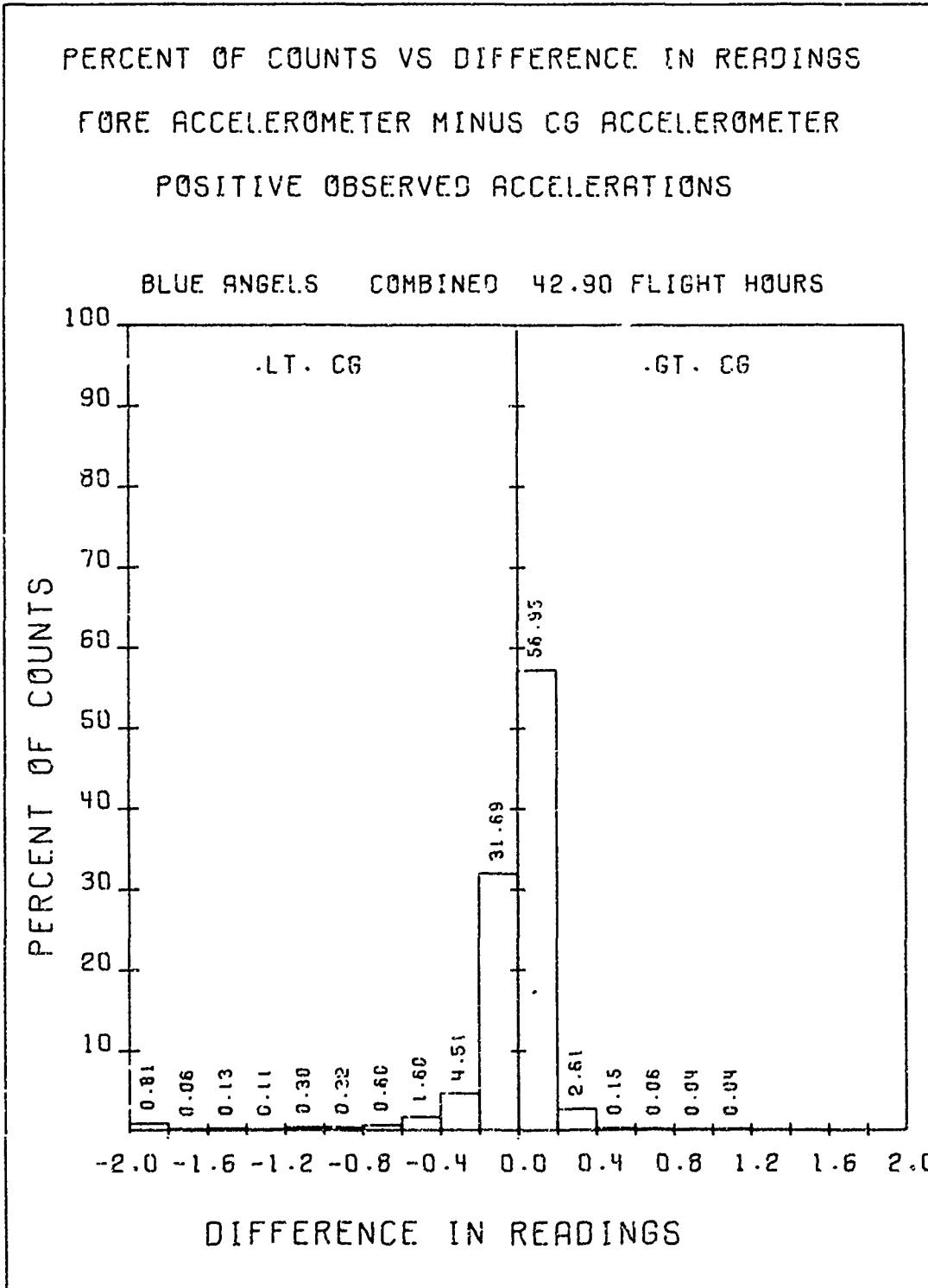
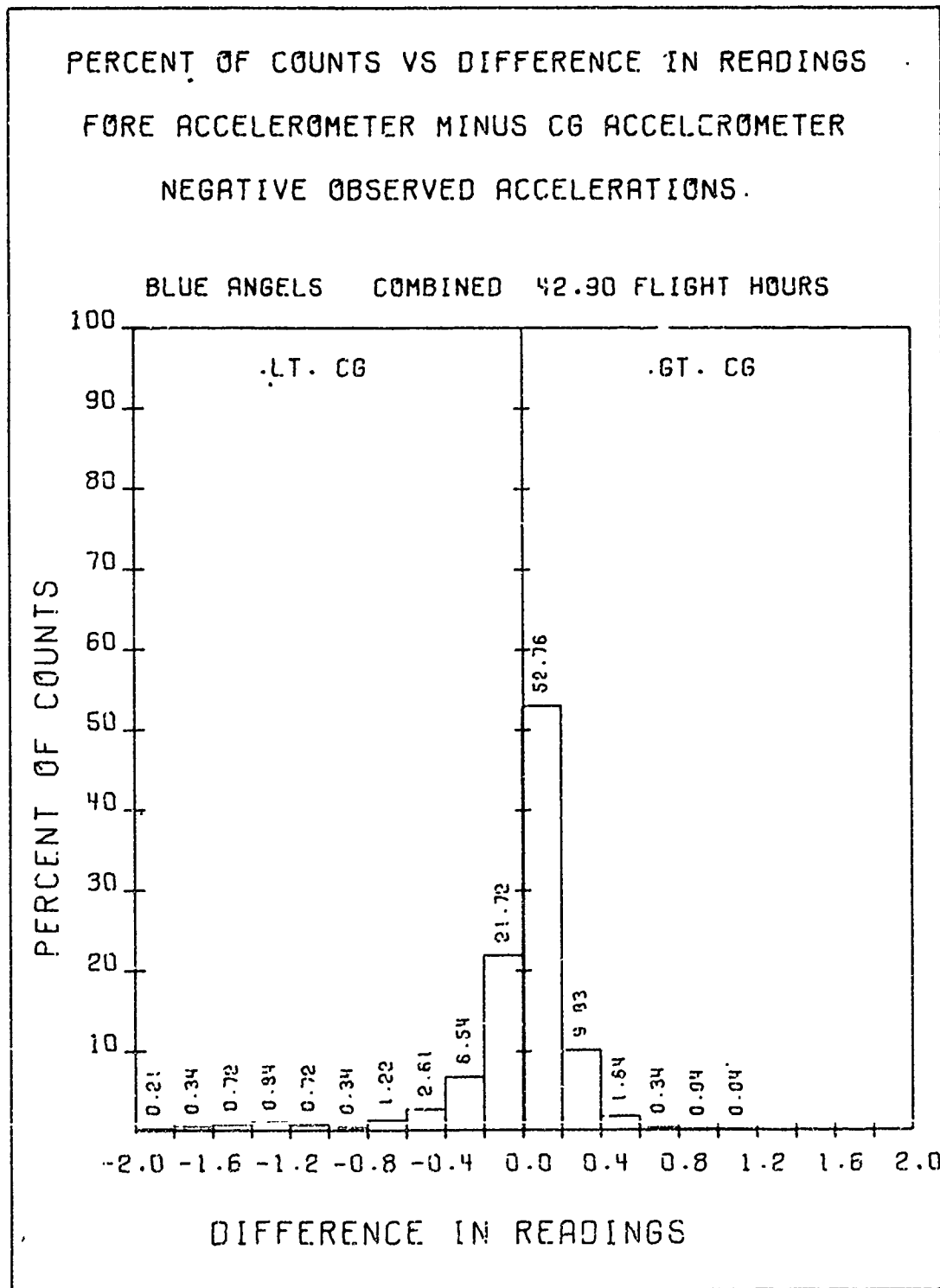


Figure 18.



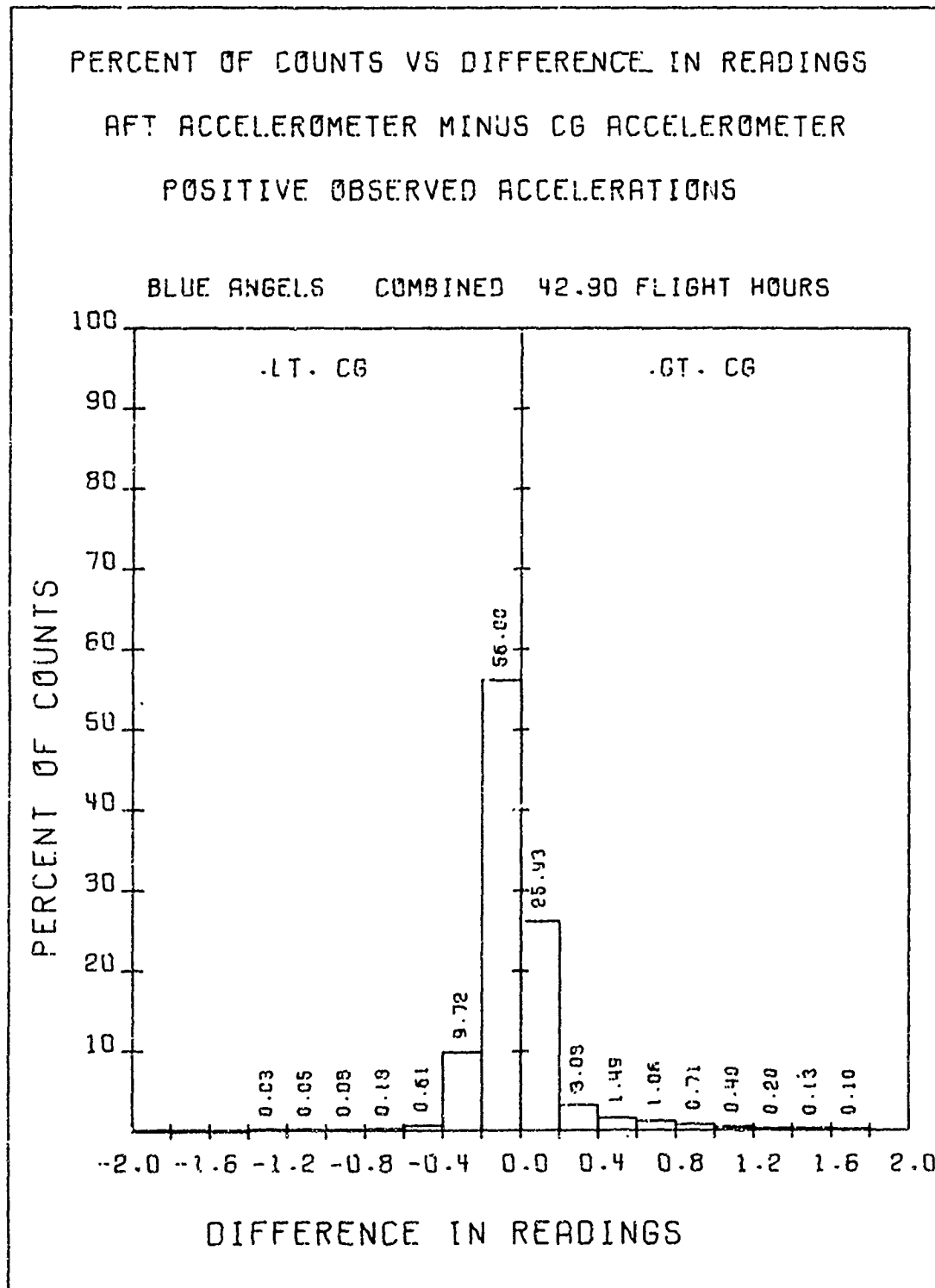
MADC-72021-VT

Figure 19.



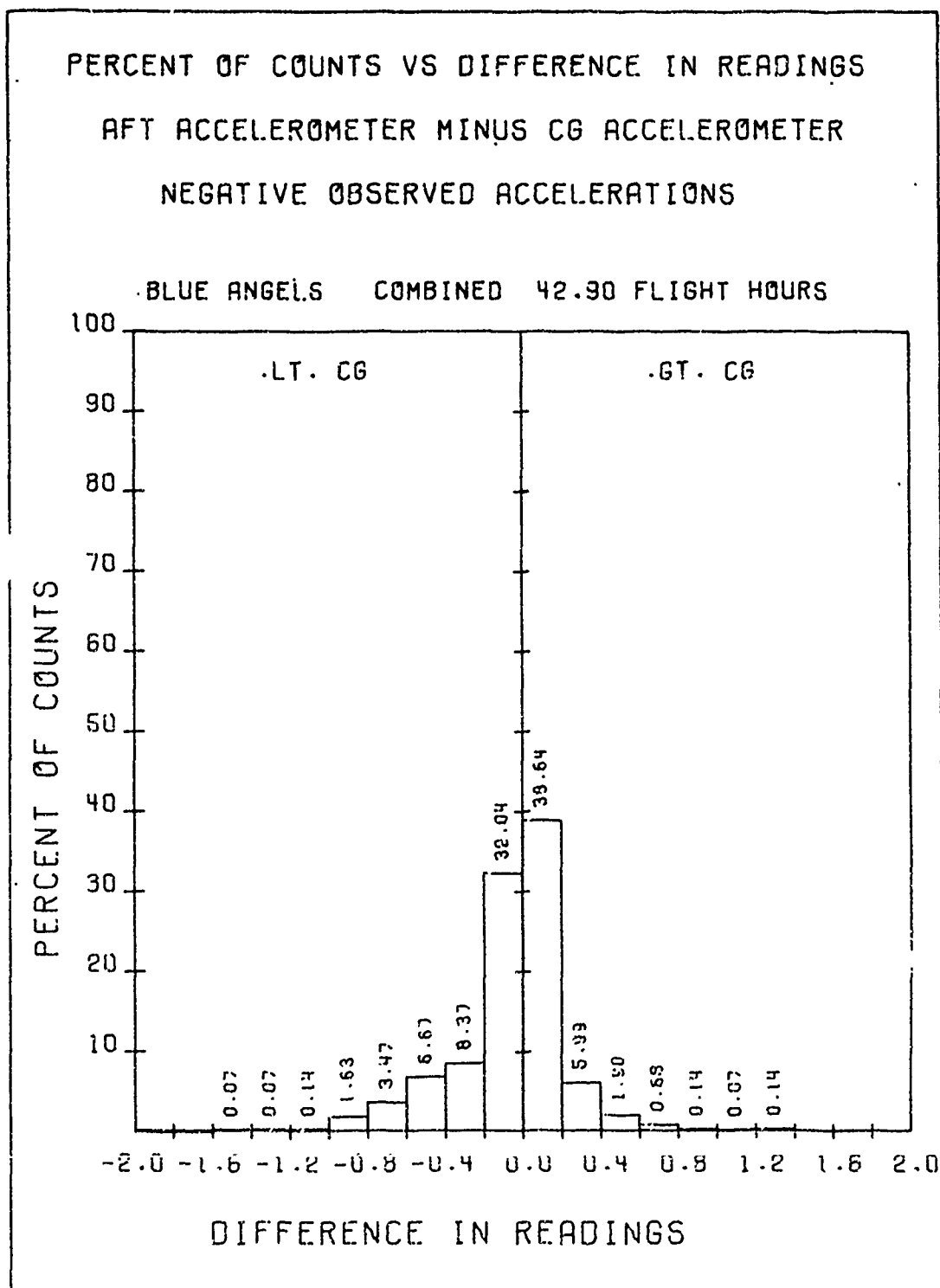
NADC-72021-VT

Figure 20.



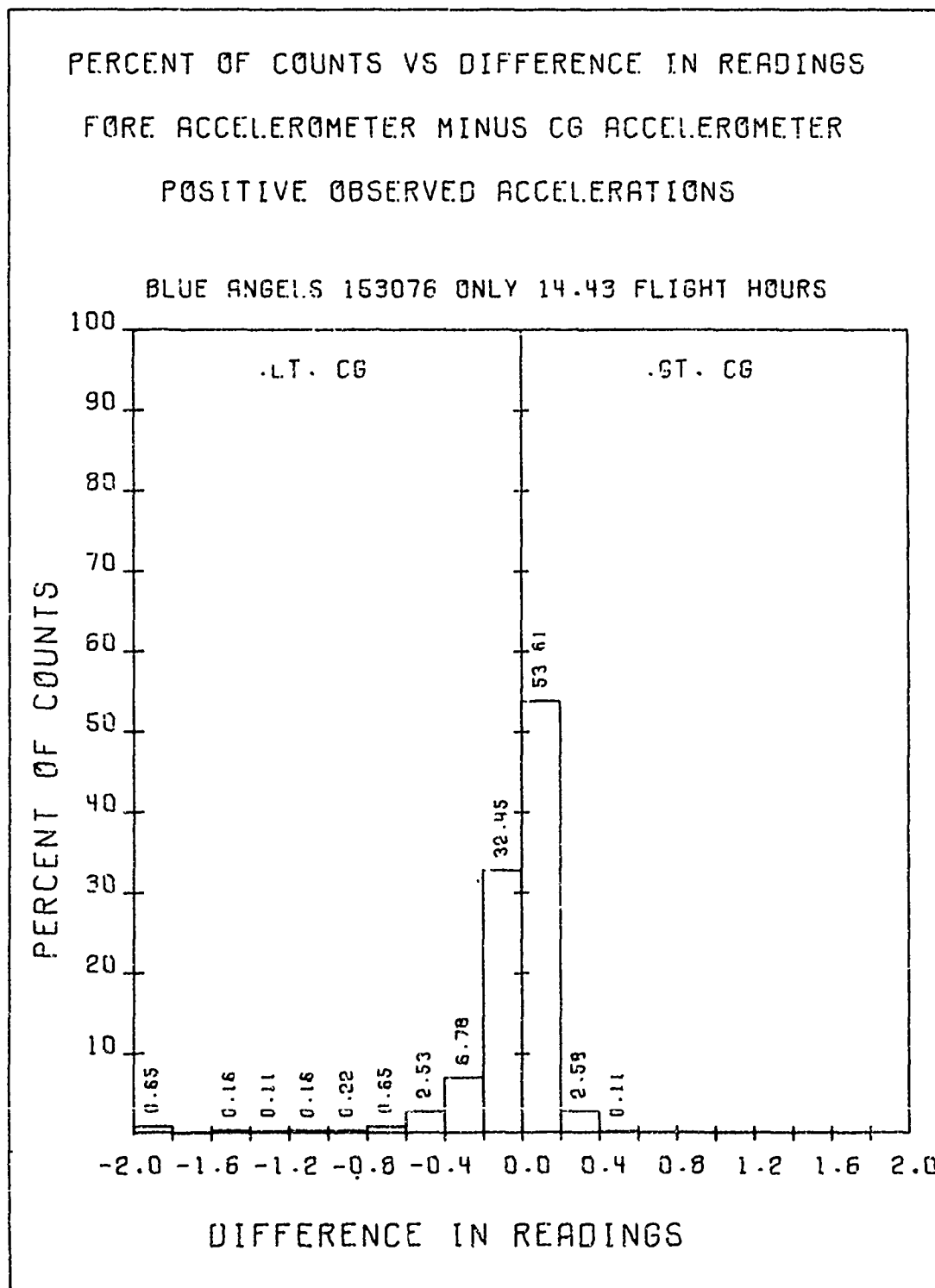
HADC-72021-VT

Figure 22.



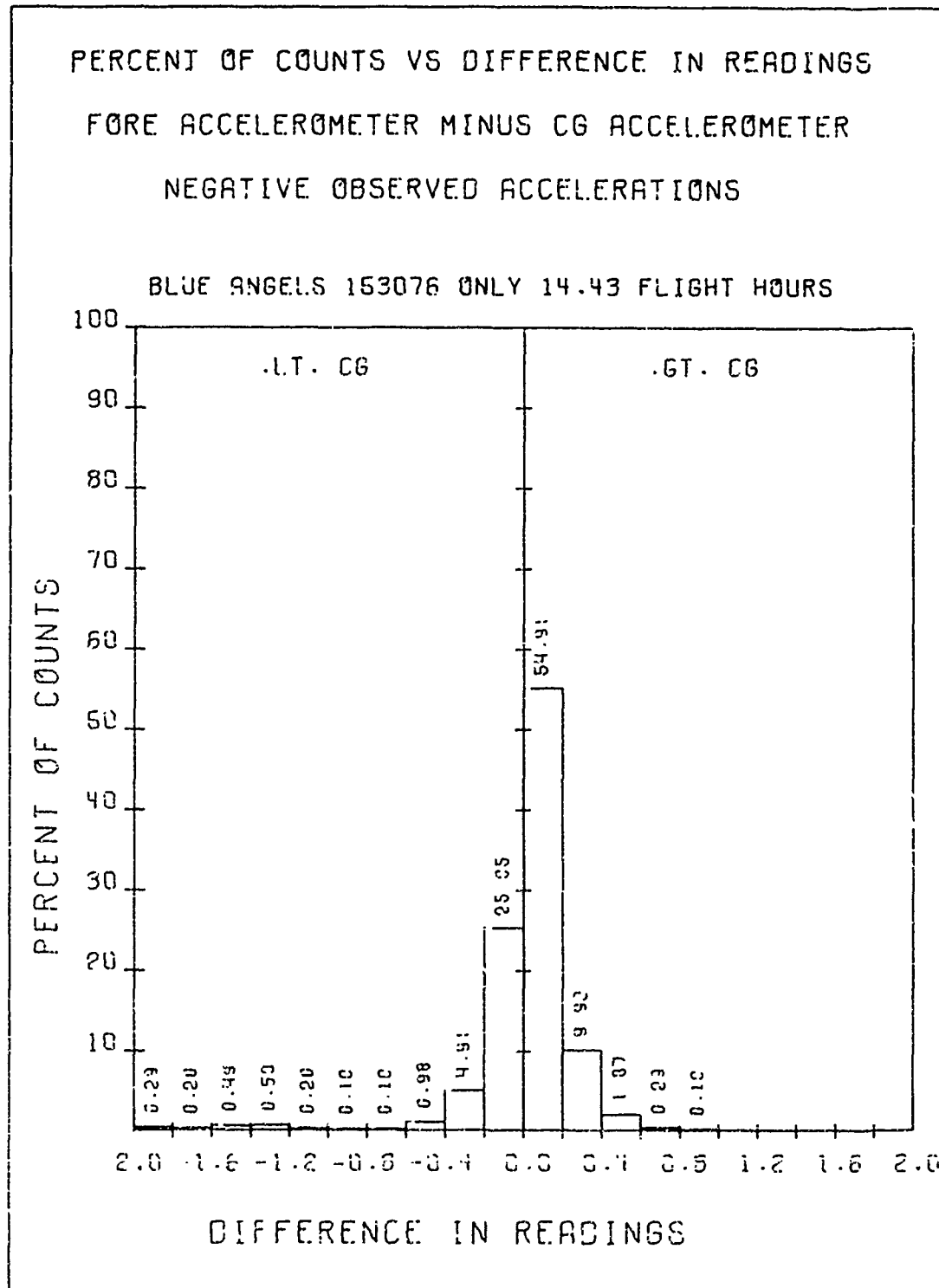
NADC-72021-VT

Figure 22.



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Figure 23.



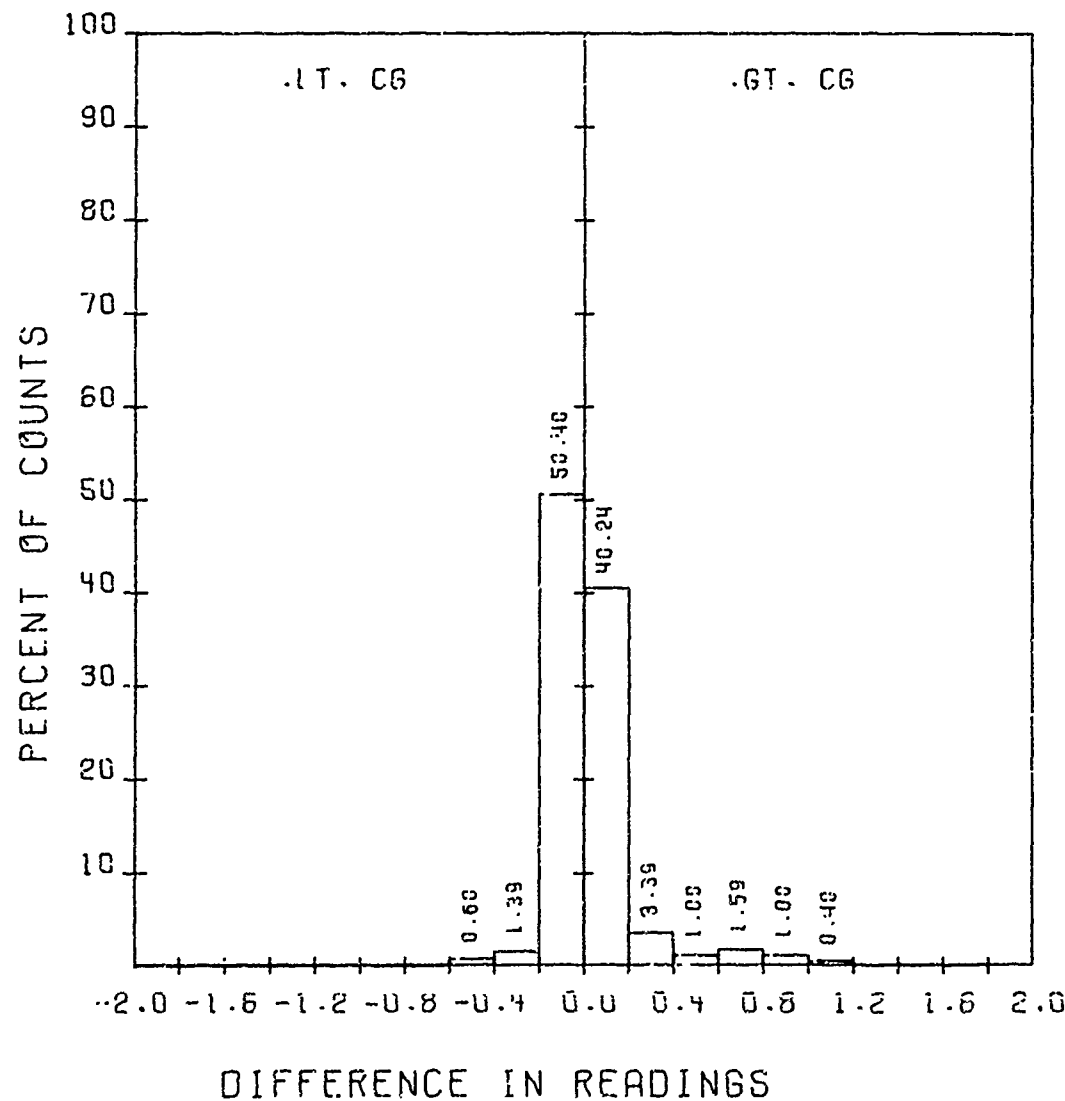


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Figure 24.

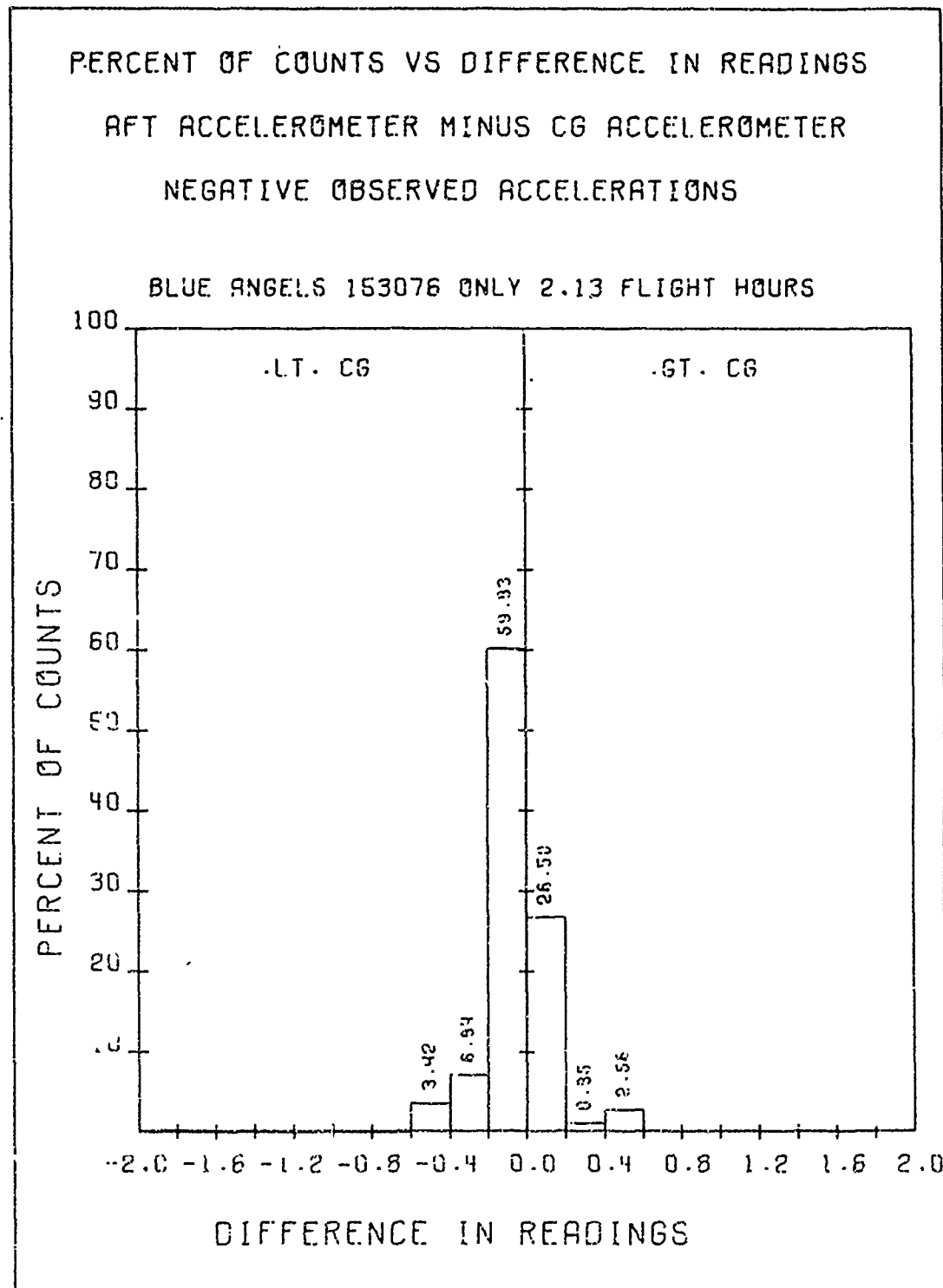
PERCENT OF COUNTS VS DIFFERENCE IN READINGS  
AFT ACCELEROMETER MINUS CG ACCELEROMETER  
POSITIVE OBSERVED ACCELERATIONS

BLUE ANGELS 153076 ONLY 2.13 FLIGHT HOURS



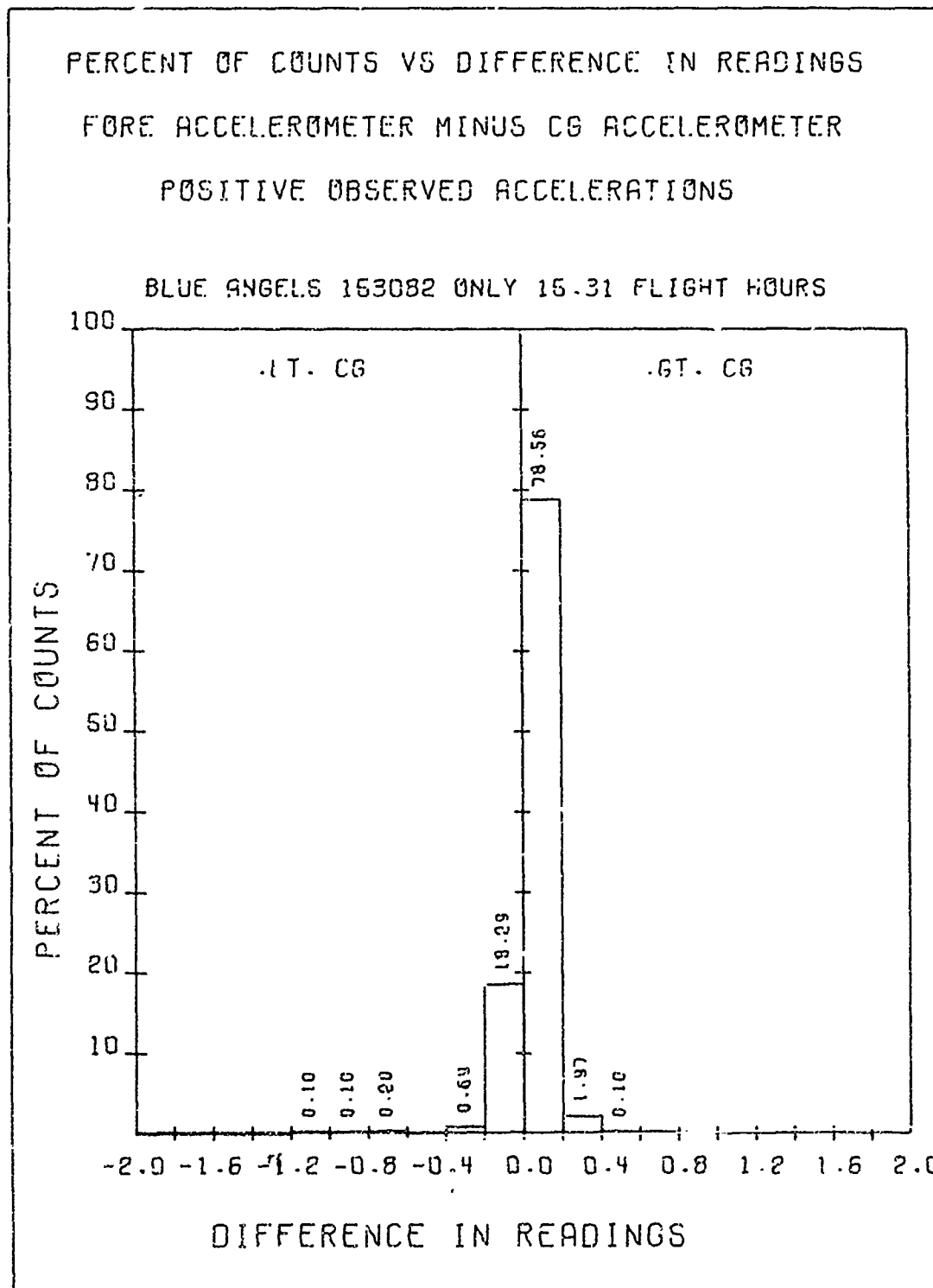
MADC-72021-VT

Figure 25.



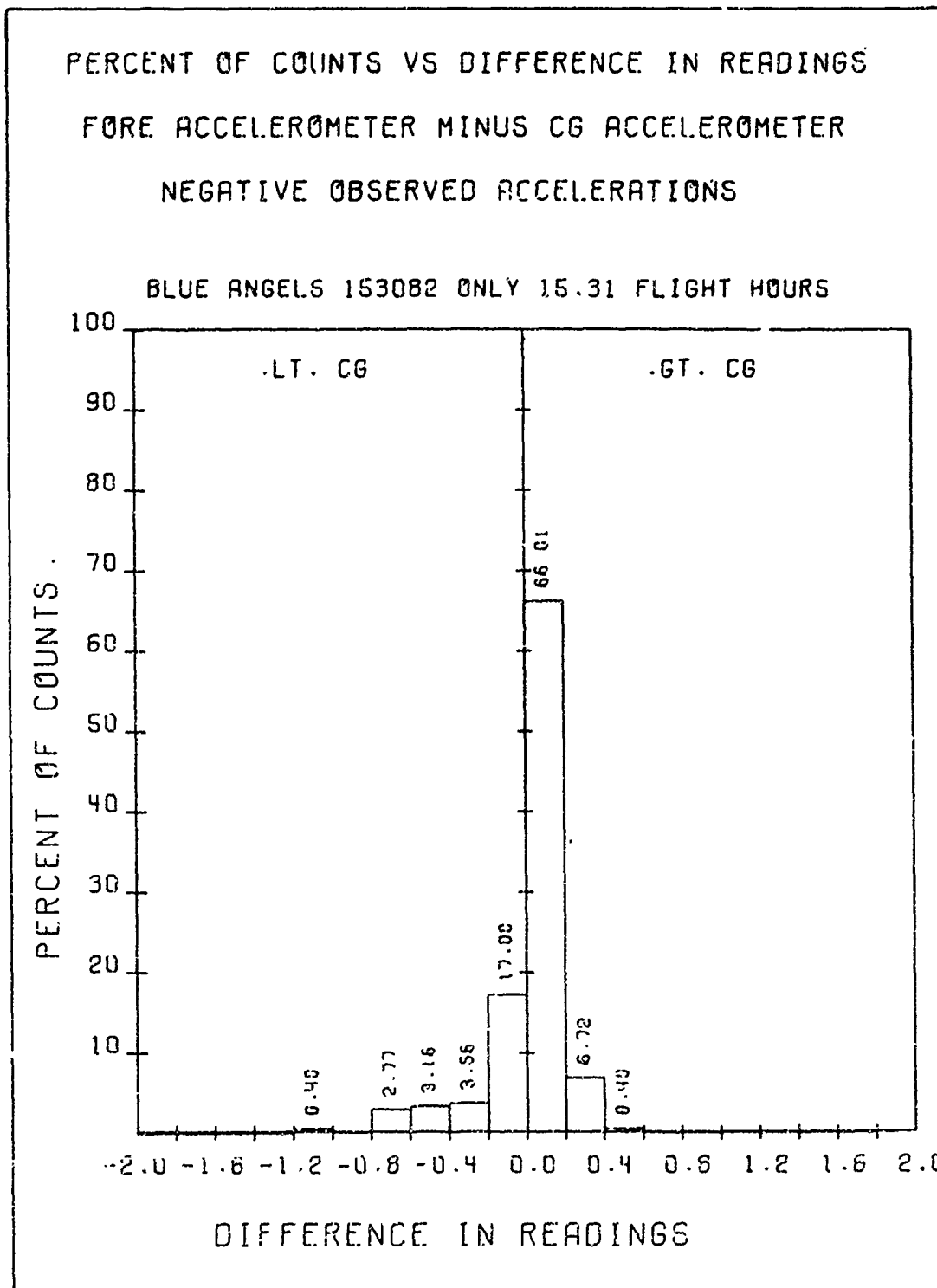
NADC-72021-VT

Figure 26.



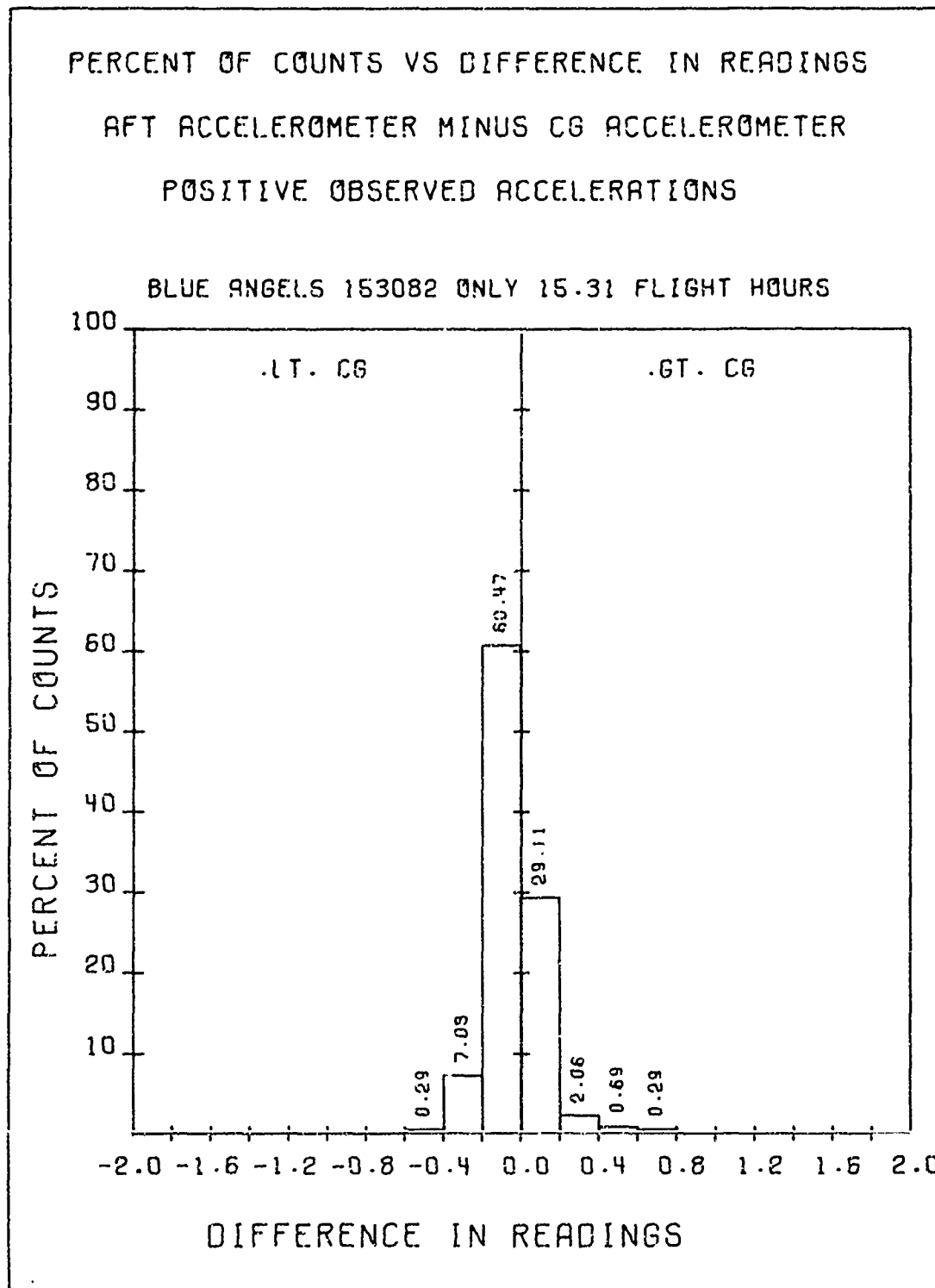
MADC-72021-VT

Figure 27.



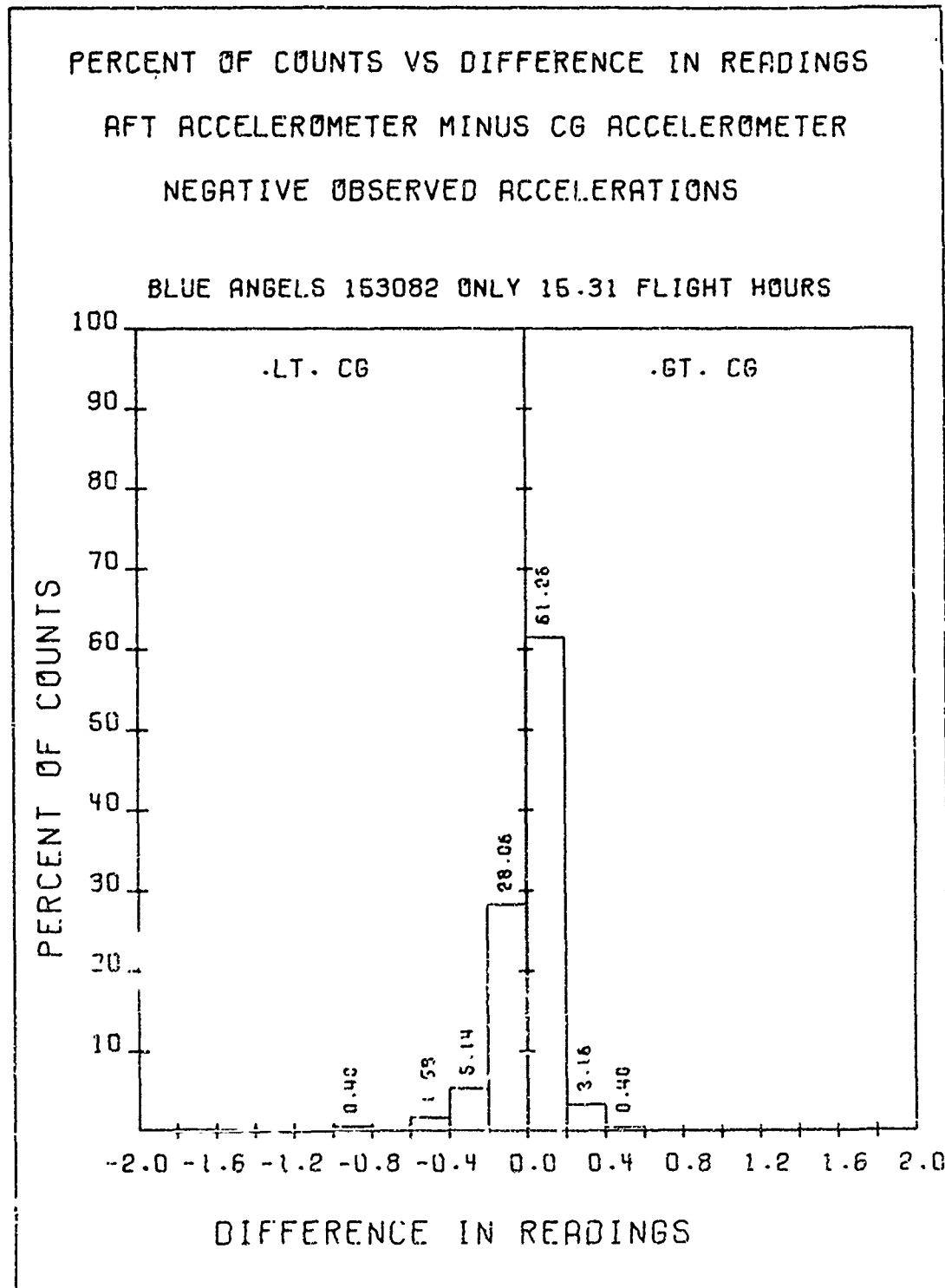
NADC-72021-VT

Figure 28.



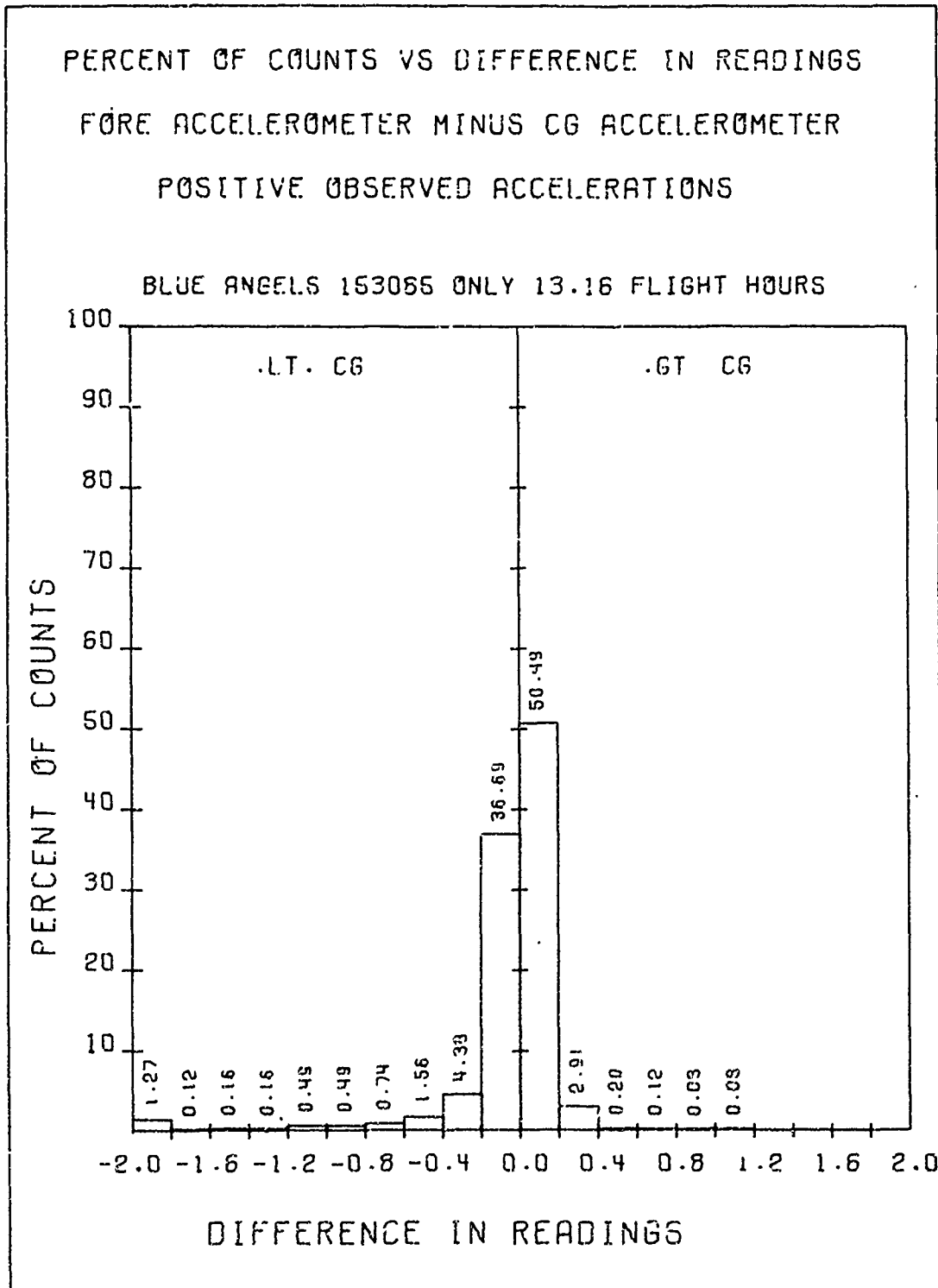
MADC-72021-VT

Figure 29.



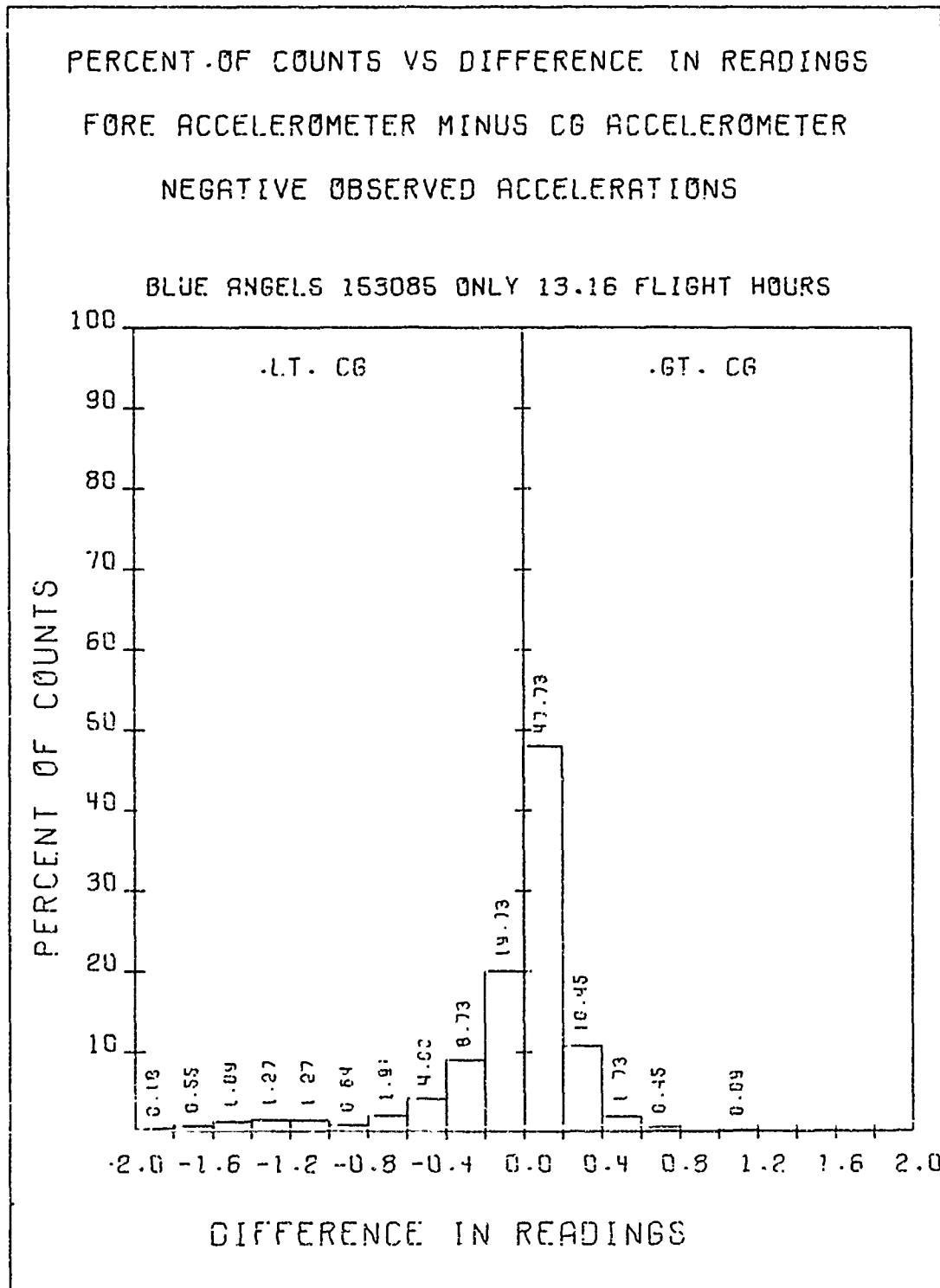
KADC-72021-VT

Figure 30.



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Figure 31.





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Figure 32.

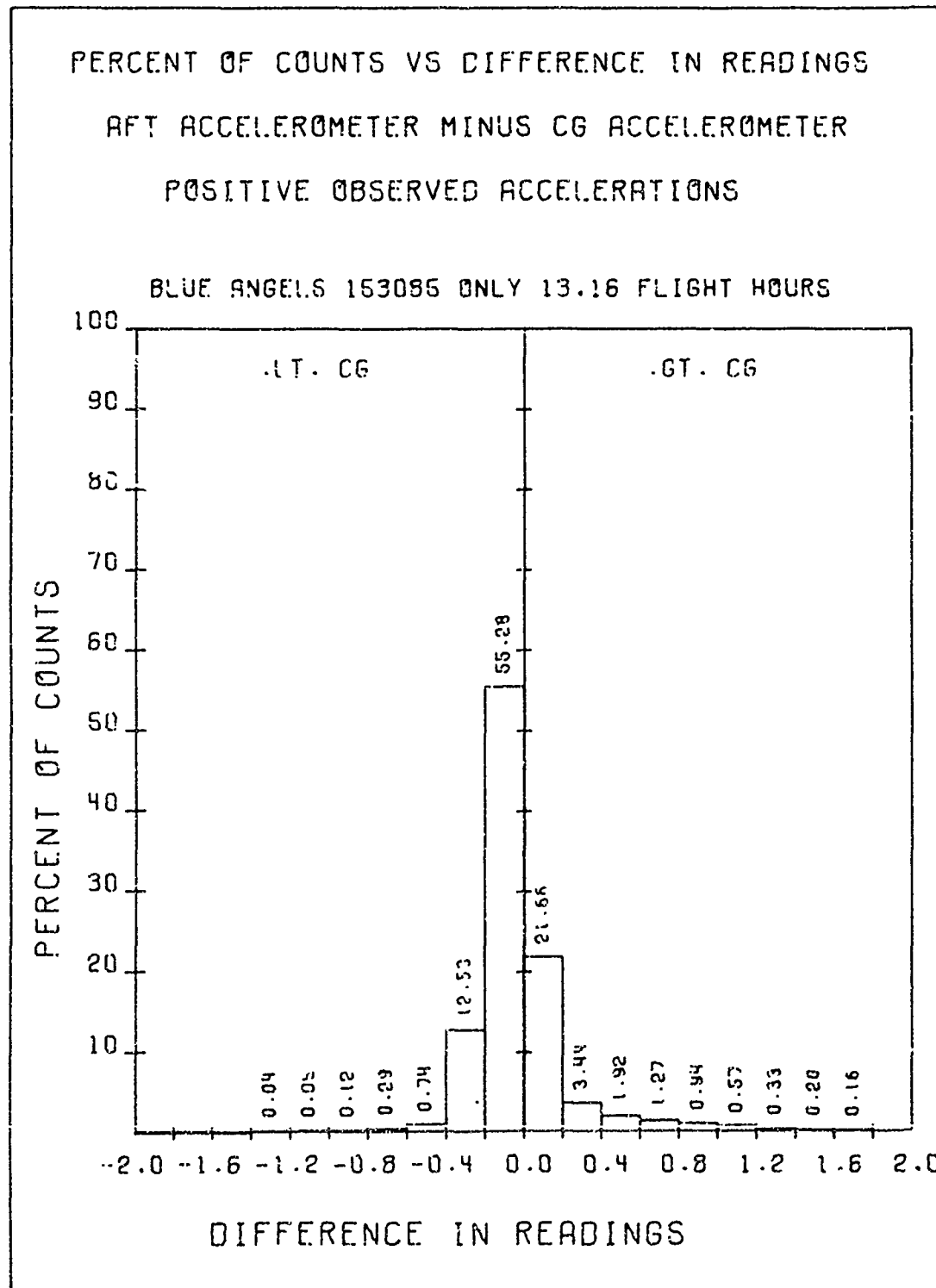
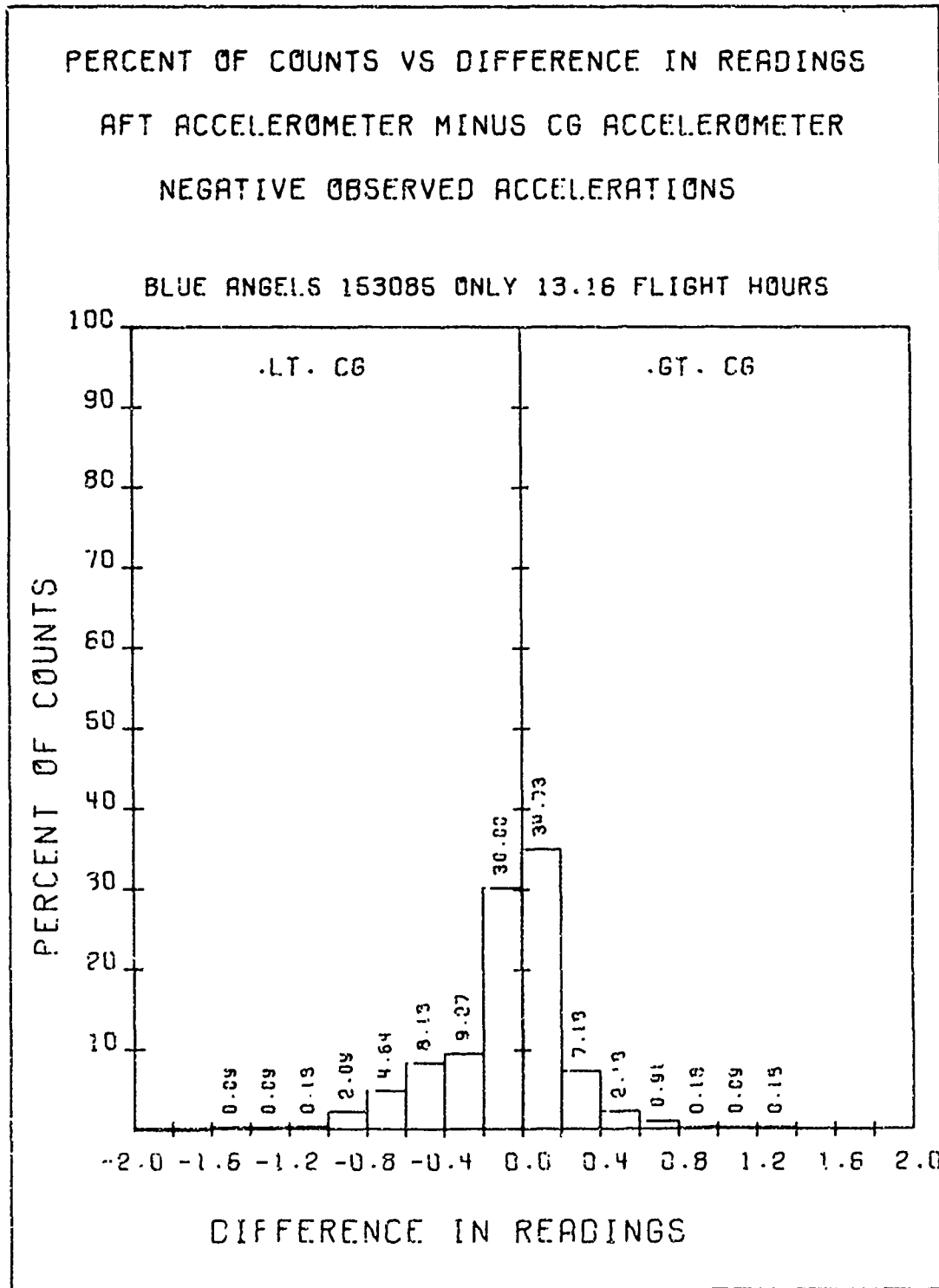


Figure 33.



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APPENDIX A

DATA POINT LISTING AND FLIGHT-BY-FLIGHT SUMMARY

NADC-72021 VT

SEQUENCE NUMBER	MANUEVER CODE	AZ AFT	NZ DIFF. (AFI/CG)	NZ CG	NZ DIFF. (FCRE-CG)	NZ FCRF	ALTITUDE	EOV. A/S (KNOTS)	GROSS WEIGHT	FLIGHT NUMBER	BUREAU NUMBER
2001	0	2.06	.11	1.95	.01	1.96	-255	245	45560	1	151076
2002	0	2.14	.01	2.13	.16	2.29	-145	244	45560	1	151076
2003	0	2.48	.07	2.45	.13	2.59	294	249	45560	1	151076
2004	0	2.12	.04	2.14	.15	2.29	1116	248	45560	1	151076
2005	0	2.14	.07	2.11	.15	2.26	1506	236	45560	1	151076
2006	0	-0.65	.07	-0.72	.04	-0.64	7129	170	45560	1	151076
2007	0	2.47	.11	2.36	.10	2.46	3224	346	44750	1	151076
2008	0	2.65	.36	2.27	.06	2.73	2680	341	44750	1	151076
2009	0	4.25	-0.04	4.30	.18	4.48	2508	374	44750	1	151076
2010	0	2.71	-0.01	2.72	.03	2.75	2032	304	44750	1	151076
2011	0	2.50	-0.02	2.53	.03	2.56	2189	282	44750	1	151076
2012	0	2.23	-0.05	2.28	.05	2.33	2260	275	44750	1	151076
2013	0	2.27	-0.02	2.30	.02	2.32	2548	245	44750	1	151076
2014	0	-0.12	-0.12	0	.06	.06	2416	215	44750	1	151076
2015	0	2.75	.06	2.73	.12	2.86	2252	240	44750	1	151076
2016	0	2.13	.02	2.11	.08	2.19	940	252	44500	1	151076
2017	0	.30	.01	.29	.23	.52	-145	314	44500	1	151076
2018	0	2.21	.02	2.19	-0.10	2.09	-144	367	44500	1	151076
2019	0	.36	-0.06	.42	.32	.74	-132	364	44500	1	151076
2020	0	2.23	.21	2.02	.27	2.29	-132	368	44500	1	151076
2021	0	2.22	.04	2.24	.02	2.27	-132	370	44500	1	151076
2022	0	3.26	.07	3.19	-0.21	2.98	86	369	44500	1	151076
2023	0	3.75	.06	3.73	.03	3.76	442	766	44500	1	151076
2024	0	2.70	-0.02	2.73	.05	2.49	373	293	44500	1	151076
2025	0	2.35	-0.06	2.41	.11	2.56	5219	251	44500	1	151076
2026	0	2.40	-0.02	2.43	.06	.34	5588	237	44500	1	151076
2027	0	.36	.08	.28	.06	.34	8205	148	44500	1	151076
2028	0	-0.65	.09	-0.78	.06	-0.72	8754	152	44500	1	151076
2029	0	3.35	.02	3.37	.06	3.43	5119	268	44500	1	151076
2030	0	4.76	-0.02	4.78	.06	4.84	159	351	44500	1	151076
2031	0	.23	-0.02	.25	.12	.37	-253	348	44500	1	151076
2032	0	4.42	.07	4.40	.12	4.53	13	365	44500	1	151076
2033	0	3.07	.07	3.00	.13	3.13	2727	305	44500	1	151076
2034	0	2.18	-0.01	2.19	.04	2.24	7434	280	44500	1	151076
2035	0	.38	-0.06	.44	.10	.38	4186	225	44500	1	151076
2036	0	2.02	.05	2.03	.16	2.13	315	297	44000	1	151076
2037	0	.31	-0.02	.23	.27	.39	-216	420	44000	1	151076
2038	0	5.31	-0.06	5.39	.04	5.66	2815	477	44000	1	151076
2039	0	1.58	.40	1.18	-1.16	-0.18	7271	357	44000	1	151076
2040	0	4.44	.60	3.84	-0.02	.02	5153	323	44000	1	151076
2041	0	.15	-0.17	.32	.12	.44	10569	290	44000	1	151076
2042	0	2.22	-0.02	2.84	.04	2.92	11438	256	44000	1	151076
2043	0	-0.06	-0.15	.07	.06	.13	5085	277	44000	1	151076
2044	0	3.52	.01	3.61	.12	3.74	3542	273	44000	1	151076
2045	0	2.17	.02	2.11	-0.11	2.00					

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOYS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153076	1	44000	241	1424	2.35	.06	2.29	-0.02	2.27	0	2046
153076	1	44000	247	2580	2.44	.03	2.41	-0.04	2.37	0	2047
153076	1	43500	307	847	2.93	.10	2.83	-0.06	2.77	0	2048
153076	1	43500	308	477	2.16	.11	2.05	.04	2.09	0	2049
153076	1	43500	300	-132	.49	.23	.26	.01	.27	0	2050
153076	1	43500	407	-168	.32	.11	.21	0	.21	0	2051
153076	1	43500	387	192	5.55	.15	5.40	-0.12	5.27	0	2052
153076	1	43500	269	5624	-0.21	.49	.19	.14	.32	0	2053
153076	1	43500	220	5058	-0.02	.16	-0.18	-0.22	-0.40	0	2054
153076	1	43500	257	4110	1.02	.15	2.07	.34	2.41	0	2055
153076	1	43500	341	159	4.03	.12	3.91	-0.02	3.89	0	2056
153076	1	43500	361	182	5.68	.14	5.54	-0.02	5.51	0	2057
153076	1	43500	258	2021	2.05	0	2.05	-0.02	2.02	0	2058
153076	1	43500	241	3358	2.25	.01	2.24	.01	2.25	0	2059
153076	1	43500	232	3461	2.22	.04	2.18	.02	2.20	0	2060
153076	1	43500	225	4136	2.12	.05	2.07	.02	2.09	0	2061
153076	1	43500	206	4239	2.01	.10	2.06	.02	2.08	0	2062
153076	1	43500	341	1445	2.44	.18	2.30	.02	2.32	0	2063
153076	1	43500	421	158	2.26	.03	2.23	-0.04	2.19	0	2064
153076	1	43500	424	85	-0.34	.26	-0.64	.02	-0.61	0	2065
153076	1	43500	424	61	-0.24	.16	-0.44	-0.02	-0.47	0	2066
153076	1	43500	477	-71	3.27	.21	3.48	.68	4.16	0	2067
153076	1	43500	437	25	-1.35	.42	-1.77	-0.17	-1.54	0	2068
153076	1	43500	420	-11	1.55	.73	2.28	.06	2.37	0	2069
153076	1	43500	442	1	.36	.14	.22	-0.09	.12	0	2070
153076	1	43500	445	25	.22	.03	.19	-0.02	.17	0	2071
153076	1	43500	442	244	6.81	.24	6.57	-0.07	6.50	0	2072
153076	1	43500	321	2218	.37	.06	.43	-0.07	.26	0	2073
153076	1	43500	282	3659	-0.43	.05	-0.38	-0.17	-0.41	0	2074
153076	1	43500	260	4117	2.08	.01	2.07	-0.12	1.95	0	2075
153076	1	43500	254	4242	2.33	-0.01	2.34	-0.06	2.28	0	2076
153076	1	43500	232	4330	1.97	-0.12	2.09	-0.16	1.93	0	2077
153076	1	43500	221	4351	2.26	.04	2.22	-0.02	2.19	0	2078
153076	1	43500	225	4241	2.24	.03	2.21	-0.01	2.20	0	2079
153076	1	43500	201	4090	.39	.01	.38	-0.01	.37	0	2080
153076	1	43500	150	3871	2.01	.07	1.94	.15	2.05	0	2081
153076	1	43500	204	3686	2.10	.13	1.97	.05	2.02	0	2082
153076	1	42500	322	1062	2.41	.09	2.32	-0.09	2.24	0	2083
153076	1	42500	348	716	2.23	.13	2.10	-0.02	2.08	0	2084
153076	1	42500	368	479	2.34	.11	2.23	.13	2.36	0	2085
153076	1	42500	382	368	2.34	.14	2.20	.03	2.23	0	2086
153076	1	42500	400	58	5.71	.28	5.99	1.10	7.09	0	2087
153076	1	42500	407	49	-0.09	.06	-0.15	.05	-0.06	0	2088
153076	1	42500	400	86	-0.59	.40	-0.19	.48	.29	0	2089

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	AZ FORE	AZ DIFF. (FCPE-CG)	AZ CG	AZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	1	42500	414	184	-1.35	-0.13	-1.22	-0.12	-1.34	0	2091
153076	1	42500	416	213	-0.46	.02	-0.08	.01	-0.27	0	2092
153076	1	42500	419	148	1.48	-0.66	2.17	-0.24	1.53	0	2093
153076	1	42500	426	270	6.11	.20	5.91	-0.17	5.78	0	2094
153076	1	42500	340	1864	3.14	.04	3.10	-0.06	3.04	0	2095
153076	1	42500	282	3470	2.17	0	2.17	-0.07	2.10	0	2096
153076	1	42500	228	4208	.26	-0.01	.27	-0.05	.22	0	2097
153076	1	42100	367	442	2.14	.06	2.08	.04	2.12	0	2098
153076	1	42100	365	183	2.36	.15	2.21	0	2.21	0	2099
153076	1	42100	367	58	2.27	.10	2.17	-0.02	2.15	0	2100
153076	1	42100	404	74	2.27	.15	2.12	.14	2.26	0	2101
153076	1	42100	415	-11	2.27	.12	2.15	.06	2.23	0	2102
153076	1	42100	458	45	.01	-0.03	.04	-0.05	-0.01	0	2103
153076	1	42100	461	13	.34	.03	.30	-0.05	.21	0	2104
153076	1	42100	466	-35	.57	.03	.54	-0.07	.47	0	2105
153076	1	42100	467	-35	8.01	-0.39	8.40	.25	8.65	0	2106
153076	1	42100	454	205	.16	.23	-0.07	-0.52	-0.60	0	2107
153076	1	42100	455	160	2.57	-0.05	2.66	.30	2.56	0	2108
153076	1	42100	450	257	5.82	.18	5.64	-0.14	5.50	0	2109
153076	1	42100	360	2724	.02	-0.11	.13	-0.07	.06	0	2110
153076	1	42100	350	2599	.22	-0.07	.23	-0.12	.17	0	2111
153076	1	42100	346	3132	.26	.02	.24	-0.02	.22	0	2112
153076	1	42100	330	3421	-0.16	-0.02	-0.14	-0.07	-0.23	0	2113
153076	1	42100	266	4405	3.07	.13	2.94	.01	2.95	0	2114
153076	1	42100	245	4144	2.31	.02	2.29	-0.02	2.27	0	2115
153076	1	41700	305	2977	2.41	.12	2.29	-0.02	2.27	0	2116
153076	1	41700	315	2583	2.26	.10	2.16	-0.04	2.12	0	2117
153076	1	41700	324	2395	2.16	.06	2.12	-0.07	2.05	0	2118
153076	1	41700	328	1598	2.28	.07	2.21	-0.05	2.16	0	2119
153076	1	41700	346	1822	2.36	.10	2.26	0	2.26	0	2120
153076	1	41700	429	579	3.00	.12	2.88	-0.04	2.84	0	2121
153076	1	41700	446	357	1.97	.02	1.95	.15	2.14	0	2122
153076	1	41700	426	98	.24	-0.04	.28	-0.11	.17	0	2123
153076	1	41700	426	86	7.28	-0.52	7.80	.25	8.05	0	2124
153076	1	41700	412	-11	-0.13	-0.26	.13	-0.15	-0.02	0	2125
153076	1	41700	405	196	-0.46	-0.02	-0.44	-0.03	-0.47	0	2126
153076	1	41700	398	-48	2.57	.07	2.50	.66	2.36	0	2127
153076	1	41700	395	86	5.14	.16	4.98	-0.06	4.92	0	2128
153076	1	41700	251	2869	.22	0	.22	.01	.23	0	2129
153076	1	41700	246	2586	.53	.04	.49	-0.09	.48	0	2130
153076	1	40900	385	13	.34	.10	.24	.05	.25	0	2131
153076	1	40900	391	13	2.32	.10	2.22	.20	2.42	0	2132
153076	1	40900	389	476	5.65	.33	5.32	-0.20	5.12	0	2133
153076	1	40900	186	7186	-0.46	.04	-0.50	.02	-0.42	0	2134
153076	1	40900	174	7725	.11	.21	-0.10	-0.01	-0.11	0	2135

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ KEY	MANUEVER CODE	SEQUENCE NUMBER
153075	1	40000	181	8143	2.04	0	2.04	.03	2.07	0	2136
153076	1	40000	250	9875	2.07	.07	3.00	.01	3.01	0	2137
153076	1	40000	347	452	5.20	.06	5.14	-0.03	5.11	0	2138
153076	1	40000	354	37	.67	.01	.66	-0.04	.20	0	2139
153076	1	40000	354	378	4.54	.20	4.34	-0.12	4.22	0	2140
153076	1	40000	310	1912	.39	-0.04	.43	-0.11	.32	0	2141
153076	1	40000	291	2548	.15	.01	.14	.02	.16	0	2142
153076	1	40000	271	3550	2.15	.03	2.15	-0.07	2.08	0	2143
153076	1	40000	272	3487	2.24	.03	2.21	-0.07	2.14	0	2144
153076	1	40000	270	3330	2.30	.06	2.24	-0.07	2.17	0	2145
153076	1	40000	276	3183	2.16	.09	2.07	-0.03	2.04	0	2146
153076	1	40000	295	2927	2.24	.01	2.23	-0.06	2.17	0	2147
153076	1	40000	301	2759	2.08	.04	2.06	.01	2.05	0	2148
153076	1	40000	330	1503	2.72	.03	2.68	.02	2.70	0	2149
153076	1	40000	330	1613	2.33	.03	2.30	-0.03	2.27	0	2150
153076	1	40000	340	1422	2.24	.09	2.15	-0.01	2.14	0	2151
153076	1	40000	412	146	2.15	.02	2.13	.06	2.19	0	2152
153076	1	40000	383	701	5.26	.17	5.03	-0.01	5.08	0	2153
153076	1	40000	375	1132	2.22	.10	2.12	-0.02	2.10	0	2154
153076	1	40000	374	1360	2.42	.09	2.33	-0.01	2.32	0	2155
153076	1	40000	373	1488	2.36	0	2.26	-0.13	2.13	0	2156
153076	1	40000	372	1657	2.00	-0.06	2.06	.10	2.16	0	2157
153076	1	40000	370	1757	2.10	.01	2.09	.02	2.11	0	2158
153076	1	40000	346	2719	4.89	.28	4.69	-0.07	4.62	0	2159
153076	1	40000	269	2360	.14	.15	-0.01	.12	.11	0	2160
153076	1	40000	350	741	2.34	-0.07	2.41	-0.02	2.39	0	2161
153076	1	40000	356	592	2.08	-0.03	2.11	.12	2.23	0	2162
153076	1	40000	361	503	.65	.21	.44	-0.02	.35	0	2163
153076	1	40000	307	1803	2.71	-0.06	2.77	.01	2.78	0	2164
153076	1	40000	282	2022	2.13	-0.03	2.22	.01	2.22	0	2165
153076	1	40000	260	2155	1.94	-0.16	2.10	-0.15	1.95	0	2166
153076	1	40000	271	4075	1.83	-0.18	2.01	.06	2.07	0	2167
153076	1	40000	273	4082	1.98	-0.01	1.99	.03	2.02	0	2168
153076	1	39800	273	4061	2.16	-0.21	2.37	-0.07	2.30	0	2169
153076	1	39800	279	3946	2.03	-0.02	2.05	.02	2.10	0	2170
153076	1	39800	280	3857	2.06	.03	2.23	.05	2.28	0	2171
153076	1	39800	281	3803	1.99	-0.11	2.10	.02	2.18	0	2172
153076	1	39800	285	3708	2.58	-0.15	2.73	.04	2.77	0	2173
153076	1	39800	290	3540	2.31	.07	2.24	.04	2.22	0	2174
153076	1	39800	294	3478	2.31	.04	2.27	.01	2.28	0	2175
153076	1	39800	305	3271	2.35	.05	2.30	.04	2.34	0	2176
153076	1	39800	307	3159	2.34	-0.08	2.42	-0.02	2.40	0	2177
153076	1	39800	315	2943	2.48	-0.03	2.51	.05	2.60	0	2178
153076	1	39800	325	2579	2.23	0	2.23	.01	2.24	0	2179
153076	1	39800	337	2357	2.25	-0.02	2.27	.03	2.30	0	2180

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EGV. A/S (KNOTS)	ALTITUDE	NZ PCRE	NZ DIFF. (PCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ ART	MANUEVER CODE	SEQUENCE NUMBER
153076	1	39000	349	1855	1.96	-0.10	2.06	.01	2.07	0	2181
153076	1	39000	354	1714	2.09	.29	1.80	.33	2.12	0	2182
153076	1	39000	360	1476	1.88	-0.18	2.06	.05	2.11	0	2183
153076	1	39000	363	1400	2.18	-0.08	2.26	.09	2.25	0	2184
153076	1	39000	374	985	1.81	-0.12	1.93	.14	2.07	0	2185
153076	1	39000	387	540	.75	.31	.44	-0.16	.22	0	2186
153076	1	39000	392	417	1.88	-0.20	2.18	.07	2.25	0	2187
153076	1	39000	392	442	2.08	-0.11	2.19	.01	2.20	0	2188
153076	1	39000	390	452	2.21	-0.08	2.29	.01	2.30	0	2189
153076	1	39000	392	529	2.95	-0.15	3.10	.14	3.24	0	2190
153076	1	39000	370	1374	3.48	.04	3.44	.07	3.51	0	2191
153076	1	39000	332	2849	3.26	-0.19	3.45	.02	3.47	0	2192
153076	1	39000	319	2705	2.37	-0.05	2.42	.0	2.42	0	2193
153076	1	39000	310	2816	2.09	-0.10	2.19	.0	2.19	0	2194
153076	1	39000	280	5559	2.48	-0.02	2.50	-0.10	2.40	0	2195
153076	1	39000	240	6455	2.21	.02	2.19	.01	2.20	0	2196
153076	1	39000	115	10078	.40	.05	.35	.06	.41	0	2197
153076	1	39000	216	7864	2.19	-0.02	2.21	.02	2.24	0	2198
153076	1	39000	231	7298	2.14	-0.09	2.23	-0.04	2.19	0	2199
153076	1	39000	305	4414	3.67	-0.01	3.68	.04	3.72	0	2200
153076	1	39000	354	2004	2.60	-0.02	2.70	-0.04	2.66	0	2201
153076	1	39000	358	2000	2.24	-0.02	2.26	.01	2.27	0	2202
153076	1	39000	363	1646	2.48	-0.05	2.53	.0	2.53	0	2203
153076	1	39000	368	1404	2.56	-0.04	2.60	.04	2.64	0	2204
153076	1	39000	374	554	2.94	.07	2.87	-0.05	2.82	0	2205
153076	1	39000	377	528	3.07	.06	3.01	.02	3.02	0	2206
153076	1	39000	374	342	2.97	-0.11	3.08	.04	3.12	0	2207
153076	1	39000	372	293	2.65	-0.06	2.71	-0.07	2.64	0	2208
153076	1	39000	366	280	2.89	-0.04	2.9	.06	2.99	0	2209
153076	1	39000	358	328	2.45	-0.14	2.59	-0.02	2.57	0	2210
153076	1	39000	355	439	2.29	-0.19	2.48	.09	2.57	0	2211
153076	1	39000	350	625	2.61	-0.06	2.67	-0.14	2.53	0	2212
153076	1	39000	346	657	2.16	-0.12	2.28	.03	2.31	0	2213
153076	1	39000	332	1080	2.21	-0.20	2.41	.24	2.42	0	2214
153076	1	39000	326	1215	2.13	.24	1.89	.31	2.42	0	2215
153076	1	39000	315	1648	2.07	-0.20	2.27	.02	2.30	0	2216
153076	1	39000	302	2069	2.06	-0.11	2.17	.03	2.20	0	2217
153076	1	39000	278	2805	1.98	-0.15	2.05	.02	2.07	0	2218
153076	1	39000	272	3084	2.04	-0.07	2.11	.09	2.16	0	2219
153076	1	39000	262	3385	2.20	-0.09	2.29	-0.10	2.19	0	2220
153076	1	39000	257	3667	2.05	-0.22	2.27	.0	2.27	0	2221
153076	1	39000	203	5300	2.17	-0.04	2.21	-0.02	2.19	0	2222
153076	1	39000	211	4579	2.16	-0.11	2.27	-0.07	2.20	0	2223
153076	1	39000	225	4547	2.39	.07	2.32	.02	2.34	0	2224
153076	1	39000	234	4035	2.66	-0.05	2.71	-0.02	2.68	0	2225



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BURFAU NUMBER	FLIGHT NUMBER	GRCSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	AZ FCRE	AZ DIFF. (FCRE-CG)	AZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	1	39300	250	3436	2.50	-0.01	2.51	-0.07	2.44	0	2226
153076	1	39300	251	3033	2.23	.02	2.21	.02	2.23	0	2227
153076	1	39300	265	2781	2.65	-0.16	2.81	-0.06	2.73	0	2228
153076	1	39300	274	2235	2.46	-0.20	2.66	-0.06	2.62	0	2229
153076	1	39300	281	1919	2.06	-0.09	2.15	-0.07	2.08	0	2230
153076	1	39300	286	1646	1.99	-0.11	2.10	-0.03	2.07	0	2231
153076	1	39300	294	1442	2.13	.03	2.10	-0.07	2.13	0	2232
153076	1	39300	324	719	.60	.14	.46	-0.14	.72	0	2233
153076	1	39300	327	347	2.22	-0.02	2.24	-0.05	2.19	0	2234
153076	1	39300	325	220	2.46	.04	2.42	.03	2.45	0	2235
153076	1	39300	324	260	2.34	.02	2.32	.06	2.40	0	2236
153076	1	39300	318	578	1.96	-0.15	2.11	.10	2.21	0	2237
153076	1	39300	307	543	2.54	-0.06	2.60	-0.03	2.57	0	2238
153076	1	39300	282	2272	2.30	.01	2.29	-0.03	2.26	0	2239
153076	1	39300	288	2025	2.25	-0.17	2.42	.04	2.46	0	2240
153076	1	39300	269	1625	2.44	-0.08	2.52	.10	2.62	0	2241
153076	1	39300	307	1742	2.23	.02	2.21	.16	2.37	0	2242
153076	1	39300	322	876	2.25	-0.13	2.38	.02	2.40	0	2243
153076	1	39300	325	724	2.56	.04	2.52	-0.01	2.51	0	2244
153076	1	39300	336	442	2.23	.15	2.08	.20	2.28	0	2245
153076	1	39300	340	258	2.55	-0.07	2.62	.06	2.68	0	2246
153076	1	39300	339	221	2.09	-0.15	2.23	.06	2.23	0	2247
153076	1	39300	344	196	2.78	-0.04	2.82	-0.06	2.89	0	2248
153076	1	39300	342	220	2.61	-0.04	2.65	-0.02	2.66	0	2249
153076	1	39300	330	257	2.73	.05	2.68	-0.02	2.70	0	2250
153076	1	39300	335	355	2.45	.10	2.35	.14	2.49	0	2251
153076	1	39300	329	566	2.42	-0.12	2.54	-0.02	2.52	0	2252
153076	1	39300	311	874	2.04	-0.05	2.09	.03	2.12	0	2253
153076	1	39300	277	1455	1.98	-0.08	2.06	-0.02	2.04	0	2254
153076	1	39300	361	3426	2.55	.04	2.51	-0.06	2.45	0	2255
153076	1	39300	361	2684	4.97	.11	4.86	-0.07	4.79	0	2256
153076	1	39300	368	1655	2.48	.07	2.41	.09	2.49	0	2257
153076	1	39300	414	1333	2.74	.05	2.69	-0.05	2.64	0	2258
153076	1	39300	307	1407	2.53	.03	2.50	-0.10	2.40	0	2259
153076	1	39300	368	616	4.03	.07	3.96	-0.04	3.92	0	2260
153076	1	39300	405	37	2.48	-0.10	2.58	.74	2.32	0	2261
153076	1	39300	423	160	-1.87	-0.01	-1.86	.12	-1.68	0	2262
153076	1	39300	423	136	2.92	.01	2.91	.14	2.79	0	2263
153076	1	39300	423	271	-1.43	0	-1.43	.01	-1.42	0	2264
153076	1	39300	421	172	1.64	-1.11	2.75	.05	2.20	0	2265
153076	1	39300	417	270	4.57	.04	4.53	-0.04	4.49	0	2266
153076	1	39300	348	1799	2.80	.04	2.76	-0.12	2.64	0	2267
153076	1	39300	296	6378	2.23	.10	2.13	.06	2.19	0	2268
153076	1	39300	301	2618	2.66	.07	2.59	-0.04	2.55	0	2269
153076	1	39300	301	2750	2.55	-0.07	2.62	-0.05	2.53	0	2270

# ACCELEROMETER DATA

A/C SER.NO.-153076 FLT.NO. 1 DATE 5/ 2/70 FLT.TIME .65HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 0227 9766 7612 5774

COUNTS AFTER FLT 0237 9772 7615 5774

DIFFERENCE 10 6 3 0

CG ACCEL. 7 4 1 0

FORE ACCEL. 7 4 0 0

AFT ACCEL. 6 4 1 0

INDIVIDUAL DATA POINTS EXCEEDING 5.8G THRESHOLD FOR THIS FLIGHT

SEC. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
2073	6.57	6.81	6.50
2088	5.99	5.71	7.09
2094	5.91	6.11	5.78
2156	8.40	8.01	8.65
2169	5.64	5.82	5.50
2174	7.80	7.21	8.09
2262	7.15	6.59	6.02
2293	6.89	7.11	6.76

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRS	NZ DIFF. (FCRS-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ ART	MANUEVER CODE	SEQUENCE NUMBER
153076	1	38000	294	2821	2.34	.05	2.29	-0.02	2.226	0	2271
153076	1	38000	281	2879	2.63	-0.07	2.70	-0.02	2.668	0	2272
153076	1	38000	273	2879	2.60	-0.03	2.63	-0.07	2.566	0	2273
153076	1	38000	268	2786	2.73	.04	2.69	.04	2.732	0	2274
153076	1	38000	308	1508	2.73	.12	3.61	-0.01	3.60	0	2275
153076	1	38000	317	1328	2.26	.09	2.19	.12	2.31	0	2276
153076	1	38000	318	1343	.12	-0.01	.13	-0.04	.09	0	2277
153076	1	38000	322	1290	1.99	-0.11	2.10	.17	2.27	0	2278
153076	1	38000	344	999	2.21	.01	2.20	-0.07	2.13	0	2279
153076	1	38000	351	898	2.46	-0.07	2.53	.01	2.54	0	2280
153076	1	38000	362	749	2.59	-0.02	2.61	-0.08	2.53	0	2281
153076	1	38000	373	578	2.34	.15	2.19	.16	2.25	0	2282
153076	1	38000	378	503	2.03	-0.28	2.31	-0.04	2.27	0	2283
153076	1	38000	378	454	2.23	-0.08	2.31	.13	2.44	0	2284
153076	1	38000	385	368	2.19	0	3.19	-0.02	3.16	0	2285
153076	1	38000	388	269	2.93	.06	2.87	.09	2.96	0	2286
153076	1	38000	388	233	2.21	-0.10	2.31	.04	2.35	0	2287
153076	1	38000	390	208	2.19	-0.02	2.22	.03	2.25	0	2288
153076	1	38000	397	208	.61	.27	.34	-0.12	.22	0	2289
153076	1	38000	407	208	.57	.10	.47	-0.20	.27	0	2290
153076	1	38000	421	147	.64	.01	.43	-0.12	.31	0	2291
153076	1	38000	410	503	6.59	-0.60	7.19	.83	8.02	0	2292
153076	2	45560	245	-313	2.68	.15	2.53	-0.12	2.55	0	2293
153076	2	45560	237	160	.36	-0.13	.49	-0.04	.45	0	2294
153076	2	45560	262	602	-0.34	.03	-0.37	.12	-0.24	0	2295
153076	2	45560	268	592	1.71	.20	3.11	.02	3.14	0	2296
153076	2	45560	272	954	.19	.08	.11	.02	.15	0	2297
153076	2	44050	258	1166	2.42	.13	2.29	-0.02	2.27	0	2298
153076	2	44050	260	1105	2.42	.17	2.25	-0.02	2.22	0	2299
153076	2	44050	255	1290	.21	0	.21	-0.06	.15	0	2300
153076	2	44050	254	1188	2.18	.05	2.13	0	2.13	0	2301
153076	2	44050	254	1168	2.37	.10	2.27	-0.05	2.22	0	2302
153076	2	44050	255	873	2.33	.21	2.12	0	2.12	0	2303
153076	2	44050	354	-23	2.33	.12	2.23	-0.01	2.22	0	2304
153076	2	44050	368	73	3.04	.10	3.94	.15	4.09	0	2305
153076	2	44400	260	698	2.92	.16	2.76	.01	2.77	0	2306
153076	2	44400	273	354	2.49	.06	2.43	-0.04	2.39	0	2307
153076	2	44400	273	256	2.36	.09	2.27	-0.01	2.26	0	2308
153076	2	44400	279	159	2.25	.12	2.13	-0.02	2.11	0	2309
153076	2	44400	420	-31	3.16	-0.13	3.29	.72	4.11	0	2310
153076	2	44400	414	-228	-1.73	.05	-1.82	.02	-1.74	0	2311
153076	2	44400	419	-278	1.35	-0.67	2.22	.05	2.17	0	2312
153076	2	44400	420	-265	3.98	.45	-0.07	-0.37	-0.44	0	2313
153076	2	44400	421	-168	3.92	.08	3.64	-0.04	3.60	0	2314
153076	2	44400	421							0	2315

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, A/S (KNOTS)	ALTITUDE	NZ FORE	N2 DIFF. (FCFF-CG)	NZ CG	N2 DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	2	44000	409	-47	.60	0	.60	-0.20	.40	0	1316
153076	2	44400	375	268	2.43	.11	2.32	-0.02	2.20	0	1317
153076	2	43800	360	539	2.44	0	2.44	-0.05	2.36	0	1318
153076	2	43800	348	724	2.34	.05	2.29	-0.02	2.27	0	1319
153076	2	43800	332	901	2.41	.04	2.37	-0.04	2.23	0	1320
153076	2	43800	318	1004	2.21	.06	2.15	-0.03	2.12	0	1321
153076	2	43800	311	1026	.23	-0.08	.31	-0.36	-0.85	0	1322
153076	2	43800	295	1213	2.55	.03	2.52	-0.04	2.44	0	1323
153076	2	43800	251	1767	2.55	.10	2.45	-0.04	2.41	0	1324
153076	2	43800	231	1153	2.19	.09	2.10	.02	2.13	0	1325
153076	2	43800	365	25	2.22	.15	2.07	.04	2.11	0	1326
153076	2	43800	422	-227	.24	.29	-0.05	-0.06	-0.13	0	1327
153076	2	43800	424	-240	.49	.02	.46	-0.05	.37	0	1328
153076	2	43800	411	-252	.63	.09	.54	-0.14	.40	0	1329
153076	2	43800	404	-131	5.60	-1.02	6.62	.75	7.27	0	1330
153076	2	43800	400	-203	2.86	.04	2.82	.13	2.95	0	1331
153076	2	43800	404	37	-1.21	.06	-1.27	-0.02	-1.29	0	1332
153076	2	43800	407	50	.22	.08	.14	-0.10	.04	0	1333
153076	2	43800	410	86	.95	.29	.66	-0.44	.22	0	1334
153076	2	43800	413	110	.34	.09	.25	-0.03	.22	0	1335
153076	2	43800	410	159	4.87	.10	4.69	-0.03	4.58	0	1336
153076	2	43800	336	719	.23	-0.01	.24	-0.03	.21	0	1337
153076	2	43800	329	692	.22	0	.22	-0.04	.16	0	1338
153076	2	43800	325	609	.24	.08	.16	-0.01	.15	0	1339
153076	2	43800	322	533	2.27	-0.01	2.26	-0.13	2.15	0	1340
153076	2	43800	302	608	2.79	.05	2.74	-0.06	2.68	0	1341
153076	2	43800	281	815	2.54	.08	2.46	-0.08	2.20	0	1342
153076	2	43800	273	879	2.28	.02	2.26	-0.04	2.22	0	1343
153076	2	43800	271	730	2.19	.02	2.17	-0.09	2.08	0	1344
153076	2	43800	223	656	.11	.02	.09	.05	.14	0	1345
153076	2	42700	271	-262	2.70	.06	2.64	-0.12	2.52	0	1346
153076	2	42700	270	-273	2.43	.06	2.37	0	2.27	0	1347
153076	2	42700	265	-178	2.32	.10	2.22	.03	2.25	0	1348
153076	2	42200	326	852	2.46	.10	2.36	-0.04	2.32	0	1349
153076	2	42200	349	735	2.16	.11	2.05	-0.04	2.01	0	1350
153076	2	42200	362	743	2.18	.10	2.00	.07	2.07	0	1351
153076	2	42200	366	756	2.24	.16	2.08	.04	2.12	0	1352
153076	2	42200	357	708	2.33	.11	2.22	0	2.22	0	1353
153076	2	42200	338	658	2.06	.09	2.97	-0.03	2.94	0	1354
153076	2	42200	329	535	2.73	.07	2.66	-0.04	2.62	0	1355
153076	2	42200	341	291	2.21	.06	2.15	-0.01	2.14	0	1356
153076	2	42200	435	-22	7.50	-0.30	7.60	.43	8.03	0	1357
153076	2	42200	423	218	-0.67	.02	-0.74	-0.04	-0.78	0	1358
153076	2	42200	456	-191	2.22	-0.29	2.51	.38	3.89	0	1359
153076	2	42200	461	-275	2.65	.02	2.63	.03	2.66	0	1360

BUREAU NUMBER	FLIGHT NUMBER	GRASS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCPE	NZ DIFF. (FOFF-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	HA CODE	SEQUENCE NUMBER
153076	2	42208	454	-287	4.18	.24	3.94	.24	4.18	0	1361
153076	2	42200	333	852	-0.64	-0.01	-0.63	.02	-0.61	0	1362
153076	2	42200	313	643	2.44	.03	2.41	-0.06	2.35	0	1363
153076	2	42200	289	218	2.09	.01	2.08	-0.03	2.05	0	1364
153076	2	41600	267	767	1.99	-0.02	2.01	.05	2.06	0	1365
153076	2	41600	264	707	2.24	.05	2.19	-0.06	2.12	0	1366
153076	2	41600	262	556	2.36	.04	2.28	-0.01	2.27	0	1367
153076	2	41600	238	520	.35	.02	.33	.02	.35	0	1368
153076	2	41100	208	687	2.17	.13	2.04	.07	2.11	0	1369
153076	2	41100	216	728	2.28	.12	2.16	.04	2.20	0	1370
153076	2	41100	225	614	2.42	.18	2.25	.04	2.29	0	1371
153076	2	41100	248	789	2.58	.11	2.47	.0	2.47	0	1372
153076	2	41100	260	594	2.54	.04	2.50	-0.08	2.42	0	1373
153076	2	41100	261	412	2.70	.08	2.22	-0.05	2.17	0	1374
153076	2	41100	258	242	2.06	-0.05	2.15	.02	2.17	0	1375
153076	2	41100	257	400	2.14	.0	2.21	.0	2.14	0	1376
153076	2	40600	292	-70	2.18	-0.03	2.14	-0.02	2.15	0	1377
153076	2	40600	301	-170	2.67	.11	2.56	.12	2.62	0	1378
153076	2	40600	365	-226	.65	.19	.46	-0.05	.41	0	1379
153076	2	40600	370	-250	2.81	-0.04	2.85	.64	3.49	0	1380
153076	2	40600	380	-202	-1.50	-0.01	-1.49	.12	-1.31	0	1381
153076	2	40600	395	-249	3.46	.06	3.40	-0.02	3.38	0	1382
153076	2	40600	400	-10	-0.64	.11	-0.75	-0.17	-0.92	0	1383
153076	2	40600	410	-34	2.42	.21	2.21	.01	2.22	0	1384
153076	2	40600	416	217	4.78	.22	4.56	-0.05	4.51	0	1385
153076	2	40600	314	1201	.43	-0.07	.50	-0.16	.34	0	1386
153076	2	40600	296	1261	.14	-0.02	.16	-0.02	.14	0	1387
153076	2	40000	310	353	2.80	.11	2.69	-0.03	2.66	0	1388
153076	2	40000	444	25	2.02	-0.05	2.07	-0.03	2.04	0	1389
153076	2	40000	362	756	5.33	.12	5.21	-0.09	5.12	0	1390
153076	2	39400	372	122	.59	.06	.53	-0.14	.39	0	1391
153076	2	39400	322	-47	1.92	-0.16	2.08	-0.07	2.01	0	1392
153076	2	39400	317	-119	2.38	.04	2.30	.01	2.31	0	1393
153076	2	39400	303	-83	1.99	-0.16	2.15	-0.12	2.02	0	1394
153076	2	39400	324	-71	2.18	-0.10	2.28	-0.03	2.25	0	1395
153076	2	39400	304	-10	.62	.09	.53	-0.06	.47	0	1396
153076	2	39400	250	335	2.04	-0.25	2.33	.05	2.38	0	1397
153076	2	39400	257	86	1.98	-0.11	2.09	-0.02	2.07	0	1398
153076	2	36200	282	948	.75	.19	.56	-0.10	.46	0	1399
153076	2	36600	246	447	2.17	.05	2.12	.01	2.12	0	1400
153076	2	36600	246	424	2.06	.05	2.01	.01	2.02	0	1401
153076	2	36200	257	685	2.20	.09	2.11	.11	2.22	0	1402
153076	2	36200	257	680	2.08	.01	2.07	.02	2.09	0	1403
153076	2	36200	255	673	2.33	.05	2.28	-0.02	2.26	0	1404
153076	2	36200	254	673	2.56	.04	2.48	-0.06	2.42	0	1405

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# ACCELEROMETER DATA

A/C SER.NO. 193076 FLT.NO. 2 DATE 5/ 3/70 FLT.TIME .53PRS.

CG 6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLY 8237 9772 7615 9774

COUNTS AFTER FLT 8241 9775 7616 9774

DIFFERENCE 4 2 1 0

CG ACCEL. 2 1 0 0

FORE ACCEL. 1 1 0 0

AFT ACCEL. 2 2 0 0

.....

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1330 6.82 5.60 7.37  
1357 7.60 7.50 8.03

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# NADC-72221 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS HEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	2	36200	277	690	3.03	.13	2.90	.06	2.96	0	1406
153076	2	36200	293	416	2.53	.18	2.35	.09	2.44	0	1407
153076	2	36200	303	355	2.55	.05	2.50	-0.01	2.49	0	1408
153076	2	36200	315	267	2.21	.02	2.19	0	2.19	0	1409
153076	2	36200	318	219	2.32	-0.04	2.36	-0.04	2.32	0	1410
153076	2	36200	359	-10	.65	.16	.49	-0.18	.71	0	1411
153076	2	35800	382	-204	.76	.21	.55	-0.17	.38	0	1412
153076	2	35800	386	-205	.66	.11	.51	-0.16	.39	0	1413
153076	2	35800	391	-266	.66	.21	.45	-0.17	.28	0	1414
153076	2	44850	266	1004	3.54	.14	3.40	-0.06	3.24	0	2001
153076	2	44850	258	2628	.20	.08	.28	.02	.31	0	2002
153076	2	44850	315	3240	1.95	-0.05	2.04	.10	2.14	0	2003
153076	2	44150	204	1276	1.95	-0.07	2.02	.22	2.24	0	2004
153076	2	42700	305	5172	2.35	-0.08	2.43	-0.09	2.24	0	2005
153076	2	42700	297	5286	2.17	-0.07	2.24	-0.04	2.20	0	2006
153076	2	42700	261	6217	.50	.09	.41	-0.06	.35	0	2007
153076	2	42700	303	7129	2.53	0	2.53	.02	2.56	0	2008
153076	2	42700	386	7788	2.35	-0.02	2.37	.01	2.38	0	2009
153076	2	42700	394	3282	1.95	-0.20	2.15	-0.02	2.12	0	2010
153076	2	42700	407	2721	2.56	-0.15	2.75	-0.06	2.69	0	2011
153076	2	42700	407	2406	2.30	-0.35	2.65	.06	2.71	0	2012
153076	2	42700	412	1574	2.38	-0.12	2.51	-0.02	2.48	0	2013
153076	2	42700	414	1676	2.45	-0.18	2.63	-0.02	2.60	0	2014
153076	2	42700	416	1464	2.43	-0.22	2.66	.04	2.70	0	2015
153076	2	42700	417	1274	2.23	-0.17	2.40	-0.07	2.23	0	2016
153076	2	42700	418	1191	2.10	-0.22	2.32	-0.02	2.20	0	2017
153076	2	42700	417	1089	2.13	-0.15	2.28	-0.12	2.16	0	2018
153076	2	42700	382	550	.38	.25	.13	-0.14	-0.01	0	2019
153076	2	42200	361	1271	2.28	-0.12	2.40	-0.04	2.36	0	2020
153076	2	42200	346	1617	2.20	-0.14	2.34	-0.05	2.29	0	2021
153076	2	42200	343	1736	2.30	-0.15	2.54	-0.10	2.44	0	2022
153076	2	42200	332	1620	1.89	-0.34	2.23	-0.14	2.09	0	2023
153076	2	42200	328	2017	1.94	-0.24	2.18	-0.10	2.08	0	2024
153076	2	42200	214	1670	2.15	-0.11	2.26	.22	2.49	0	2025
153076	2	42200	221	1651	-0.38	-0.39	.01	.11	.12	0	2026
153076	2	41700	220	2223	2.53	.11	2.42	0	2.42	0	2027
153076	2	40000	332	1490	2.28	-0.18	2.46	-0.25	2.21	0	2028
153076	2	40000	414	141	2.10	-0.12	2.25	-0.02	2.20	0	2029
153076	2	40000	404	1567	6.68	-0.09	6.7	-0.09	6.68	0	2030
153076	2	40000	375	1573	.57	-1.47	2.04	.77	2.81	0	2031
153076	2	40000	370	1558	.45	-1.50	1.95	.82	2.77	0	2032
153076	2	40000	361	2774	.38	-1.46	1.84	.86	2.70	0	2033
153076	2	40000	358	2494	.49	-1.22	1.71	1.02	2.74	0	2034
153076	2	40000	344	2790	-0.71	-1.10	-0.81	-0.27	-1.08	0	2035
153076	2	40000	357	2855	-0.31	-0.02	-0.29	-0.16	-0.45	0	2036

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. #VS (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVR CCODE	SEQUENCE NUMBER
153076	3	40000	358	2655	2.54	-0.04	2.50	.04	3.62	0	2037
153076	3	40000	287	3619	2.71	-0.10	2.61	-0.10	2.71	0	2038
153076	3	40000	218	4316	2.20	-0.04	2.24	-0.07	2.17	0	2039
153076	3	40000	216	4267	2.26	-0.04	2.30	-0.06	2.24	0	2040
153076	3	40000	225	4176	2.35	-0.02	2.37	-0.04	2.33	0	2041
153076	3	40000	239	3025	2.32	0	2.33	-0.07	2.26	0	2042
153076	3	40000	253	3567	2.12	.01	2.11	-0.02	2.09	0	2043
153076	3	40000	306	2491	2.10	-0.04	2.18	-0.10	2.08	0	2044
153076	3	40000	327	2060	2.15	-0.04	2.19	-0.08	2.11	0	2045
153076	3	40000	335	1903	2.10	-0.09	2.19	-0.06	2.12	0	2046
153076	3	40000	342	1821	2.08	-0.10	2.18	-0.07	2.11	0	2047
153076	3	40000	420	502	2.02	-0.06	2.08	-0.04	2.04	0	2048
153076	3	40000	446	853	1.88	-0.10	1.98	.26	2.24	0	2049
153076	3	40000	458	948	4.07	-0.17	4.24	.92	5.16	0	2050
153076	3	40000	458	1146	-1.32	-0.05	-1.27	.06	-1.21	0	2051
153076	3	40000	441	1197	5.42	-0.02	5.44	-0.17	5.27	0	2052
153076	3	40000	311	1190	-0.01	-0.12	.11	-0.03	.08	0	2053
153076	3	40000	284	4009	2.18	-0.15	2.33	-0.14	2.19	0	2054
153076	3	40000	271	4260	2.43	-0.09	2.52	-0.12	2.40	0	2055
153076	3	40000	254	486	2.35	-0.07	2.42	-0.08	2.34	0	2056
153076	3	40000	245	4864	2.35	-0.06	2.41	-0.12	2.29	0	2057
153076	3	40000	231	4592	2.24	.01	2.23	0	2.23	0	2058
153076	3	40000	304	1670	2.09	-0.09	2.16	-0.08	2.10	0	2059
153076	3	40000	312	1573	2.16	-0.02	2.18	-0.02	2.16	0	2060
153076	3	40000	423	1317	2.53	-0.05	2.58	0	2.58	0	2061
153076	3	40000	336	905	2.06	-0.03	2.09	-0.11	1.98	0	2062
153076	3	40000	428	829	.35	-0.07	.42	-0.14	.28	0	2063
153076	3	40000	427	580	6.45	-0.45	6.90	-0.20	6.70	0	2064
153076	3	40000	427	578	-0.25	-0.01	-0.24	-0.11	-0.25	0	2065
153076	3	40000	427	1013	-0.72	-0.30	-0.42	.59	.17	0	2066
153076	3	40000	430	1102	-0.57	.09	-0.66	-0.29	-0.37	0	2067
153076	3	40000	433	1109	-1.05	-0.12	-0.93	.56	-0.27	0	2068
153076	3	40000	434	1055	.10	.09	.01	-0.45	-0.44	0	2069
153076	3	40000	437	1029	.09	.08	.01	.28	.29	0	2070
153076	3	40000	438	1004	1.96	-0.62	2.58	-0.47	2.11	0	2071
153076	3	40000	433	1077	6.73	.06	6.67	-0.12	6.55	0	2072
153076	3	40000	330	2228	2.26	-0.07	2.33	-0.10	2.23	0	2073
153076	3	40000	304	4030	2.98	-0.05	3.03	-0.13	2.90	0	2074
153076	3	40000	330	1027	2.33	.09	2.24	0	2.24	0	2075
153076	3	40000	330	580	2.35	.04	2.31	-0.10	2.21	0	2076
153076	3	40000	349	502	2.75	.01	2.34	-0.06	2.28	0	2077
153076	3	40000	430	894	.54	.15	.39	-0.08	.31	0	2078
153076	3	40000	438	877	6.66	-0.08	4.74	-0.19	4.55	0	2079
153076	3	40000	311	2323	2.02	-0.16	2.18	-0.22	1.95	0	2080
153076	3	40000	280	2518	2.98	-0.07	3.06	-0.09	2.97	0	2081



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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	2	40000	247	3726	2.63	0	2.63	.08	2.71	0	2062
153076	2	40000	262	3759	2.52	-0.05	2.37	-0.11	2.26	0	2063
153076	2	40000	263	3723	2.72	-0.01	2.73	-0.05	2.64	0	2064
153076	2	39500	375	1054	2.45	-0.02	2.47	-0.01	2.46	0	2065
153076	2	39500	380	954	.30	-0.03	.33	-0.05	.28	0	2066
153076	2	39500	389	938	2.23	-0.03	3.26	-0.11	3.15	0	2067
153076	2	39500	359	2446	4.15	-0.07	4.22	-0.25	3.97	0	2068
153076	2	39500	379	2296	2.24	-0.04	2.28	-0.06	2.22	0	2069
153076	2	39000	261	2800	2.65	-0.02	2.67	-0.08	2.59	0	2070
153076	2	39000	375	2802	2.57	0	2.57	-0.05	2.42	0	2071
153076	2	39000	372	2052	2.14	-0.01	2.19	-0.03	2.16	0	2072
153076	2	39000	387	1781	2.26	-0.07	2.33	-0.05	2.22	0	2073
153076	2	39000	402	1575	2.45	-0.09	2.54	-0.07	2.47	0	2074
153076	2	39000	422	1162	2.20	-0.22	2.42	-0.05	2.37	0	2075
153076	2	39000	413	906	3.23	-0.59	3.82	.77	4.59	0	2076
153076	2	39000	386	954	-1.67	-0.01	-1.66	.11	-1.55	0	2077
153076	2	39000	371	1056	2.06	-0.01	2.07	.03	2.10	0	2078
153076	2	39000	375	1129	-1.46	-0.03	-1.43	.05	-1.38	0	2079
153076	2	39000	378	1002	3.95	-0.07	4.02	-0.06	3.96	0	2100
153076	2	38500	267	4556	2.13	-0.05	2.22	-0.07	2.15	0	2101
153076	2	38500	320	3277	2.98	-0.05	3.03	.16	3.19	0	2102
153076	2	38500	320	2573	2.03	-0.15	2.22	-0.15	2.07	0	2103
153076	2	38500	349	1169	1.88	-0.15	2.03	.02	2.06	0	2104
153076	2	38500	353	1209	2.49	-0.24	2.73	.42	3.15	0	2105
153076	2	38500	358	1547	4.41	.05	4.35	-0.12	4.23	0	2106
153076	2	38500	313	3073	5.09	.24	4.85	.03	4.88	0	2107
153076	2	38500	280	3035	3.49	-0.08	3.57	-0.10	3.47	0	2108
153076	2	38500	315	1265	2.24	.01	2.23	-0.01	2.22	0	2109
153076	2	38500	322	1292	2.36	-0.04	2.40	0	2.40	0	2110
153076	2	38500	317	1573	2.41	-0.10	2.51	-0.05	2.42	0	2111
153076	2	38500	262	3512	.11	.04	.07	.12	.20	0	2112
153076	2	38100	233	4671	1.97	-0.13	2.10	0	2.10	0	2113
153076	2	38100	261	3480	2.09	-0.05	2.14	-0.04	2.14	0	2114
153076	2	38100	264	3395	2.13	-0.05	2.22	-0.06	2.16	0	2115
153076	2	38100	272	2888	2.02	-0.06	2.11	-0.05	2.06	0	2116
153076	2	38100	277	2771	2.00	-0.06	2.08	.02	2.10	0	2117
153076	2	38100	282	2796	2.11	-0.25	2.36	.11	2.47	0	2118
153076	2	38100	283	2225	1.86	-0.21	2.07	.02	2.10	0	2119
153076	2	38100	280	2040	2.00	-0.06	2.06	0	2.06	0	2120
153076	2	38100	311	1070	2.06	-0.14	2.20	-0.03	2.17	0	2121
153076	2	38100	306	1314	2.08	-0.17	2.25	.01	2.26	0	2122
153076	2	38100	301	1287	2.02	-0.06	2.08	.02	2.10	0	2123
153076	2	38100	295	1635	2.11	-0.14	2.25	-0.01	2.24	0	2124
153076	2	38100	283	1034	1.93	-0.11	2.04	.05	2.05	0	2125
153076	2	38100	305	2067	2.73	-0.16	2.89	-0.01	2.88	0	2126

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCHG-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	2	38100	319	1755	2.62	-0.02	2.64	.17	2.81	0	2127
153076	2	38100	309	1720	2.41	-0.12	2.53	.10	2.63	0	2128
153076	2	38100	316	1591	2.37	-0.22	2.59	-0.10	2.49	0	2129
153076	2	38100	320	1449	2.55	-0.13	2.68	.07	2.75	0	2130
153076	2	38100	324	1261	2.73	-0.19	2.92	.11	3.03	0	2131
153076	2	38100	326	1162	2.59	-0.08	2.67	-0.51	2.16	0	2132
153076	2	38100	327	1092	2.75	-0.14	2.89	0	2.29	0	2133
153076	2	38100	318	1223	2.51	-0.09	2.60	-0.04	2.56	0	2134
153076	2	38100	324	1082	2.04	-0.16	2.27	.12	2.39	0	2135
153076	2	38100	312	1473	2.14	-0.18	2.36	-0.05	2.31	0	2136
153076	2	38100	305	2173	2.10	-0.24	2.34	-0.10	2.24	0	2137
153076	2	38100	296	1678	2.31	-0.04	2.35	-0.01	2.34	0	2138
153076	2	38100	278	2628	1.99	-0.55	2.54	-0.40	2.14	0	2139
153076	2	38100	233	6002	2.24	.02	2.22	.07	2.29	0	2140
153076	2	38100	233	5507	2.23	-0.08	2.31	-0.01	2.30	0	2142
153076	2	38100	230	5293	2.16	-0.06	2.22	-0.04	2.12	0	2143
153076	2	38100	247	4594	2.02	-0.17	2.19	-0.08	2.11	0	2144
153076	2	38100	252	4701	2.06	-0.15	2.21	-0.05	2.12	0	2145
153076	2	38100	265	4285	2.23	-0.24	2.97	-0.04	2.53	0	2146
153076	2	38100	270	3861	2.33	-0.08	2.41	-0.01	2.40	0	2147
153076	2	38100	283	3589	2.12	-0.12	2.24	-0.04	2.20	0	2148
153076	2	38100	283	3414	2.21	-0.17	2.38	-0.07	2.31	0	2149
153076	2	38100	285	3206	2.46	-0.21	2.67	-0.10	2.57	0	2150
153076	2	38100	283	2513	2.38	-0.03	2.41	0	2.41	0	2151
153076	2	38100	206	2145	2.46	-0.13	2.59	-0.03	2.56	0	2152
153076	2	38100	206	2050	2.32	-0.09	2.41	.01	2.42	0	2153
153076	2	38100	298	1903	2.00	-0.17	2.17	-0.04	2.12	0	2154
153076	2	38100	298	1768	1.95	-0.22	2.17	-0.05	2.12	0	2155
153076	2	38100	292	1719	1.97	-0.20	2.17	-0.06	2.11	0	2156
153076	2	38100	290	1500	2.18	.01	2.17	-0.01	2.16	0	2157
153076	2	38100	284	2113	1.92	-0.06	1.98	.12	2.10	0	2158
153076	2	38100	277	2354	2.03	-0.17	2.20	.02	2.22	0	2159
153076	2	38100	234	4107	.45	.09	.36	-0.06	.20	0	2160
153076	2	38100	262	3705	2.22	-0.27	2.49	.01	2.50	0	2161
153076	2	38100	294	2501	1.95	-0.12	2.07	.03	2.10	0	2162
153076	2	38100	311	1897	2.23	-0.09	2.32	0	2.22	0	2163
153076	2	38100	322	1494	2.22	-0.08	2.30	-0.04	2.26	0	2164
153076	2	38100	325	1271	2.24	-0.06	2.30	-0.04	2.26	0	2165
153076	2	38100	328	1196	2.54	-0.24	2.78	.01	2.79	0	2166
153076	2	38100	329	1132	2.14	-0.13	2.27	-0.04	2.23	0	2167
153076	2	38100	326	1119	2.06	-0.24	2.30	-0.05	2.25	0	2168
153076	2	38100	328	1106	2.20	-0.16	2.36	-0.04	2.32	0	2169
153076	2	38100	328	1110	2.01	-0.22	2.23	-0.13	2.10	0	2170
153076	2	38100	325	1157	2.33	-0.27	2.60	0	2.60	0	2171
153076	2	36600	380	1356	2.19	.02	2.17	.07	2.24	0	2172

# ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.NO. 3 DATE 5/ 6/70 FLT.TIME .95HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 8241 9775 7616 9774

COUNTS AFTER FLT 8245 9777 7616 9774

DIFFERENCE 4 2 0 0

CG ACCEL. 4 1 0 0

FORE ACCEL. 4 0 0 0

AFT ACCEL. 4 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2030	6.77	6.68	6.62
2064	6.90	6.45	6.70
2072	6.87	6.73	6.55
2173	6.20	5.87	6.66

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153076	1	36600	414	506	5.87	-0.33	6.20	-0.46	6.66	0	2173
153076	1	36600	399	577	-0.10	-0.09	-0.19	-0.21	-0.02	0	2174
153076	1	36600	366	1079	-0.49	-0.11	-0.36	-0.08	-0.46	0	2175
153076	1	36600	368	877	2.27	-0.15	2.42	-0.54	2.56	0	2176
153076	3	36600	351	1208	4.99	-0.01	4.98	-0.07	4.91	0	2177
153076	3	36200	303	2712	3.41	-0.05	3.36	-0.02	3.34	0	2178
153076	1	35400	282	2562	3.37	-0.05	3.42	-0.03	3.39	0	2179
153076	3	35100	306	1675	2.34	-0.04	2.38	-0.05	2.42	0	2180
153076	3	35100	306	1564	2.04	-0.17	2.21	-0.02	2.24	0	2181
153076	3	35100	307	1447	2.02	-0.35	2.37	-0.01	2.36	0	2182
153076	3	35100	304	1352	2.32	-0.18	2.50	-0.10	2.40	0	2183
153076	3	35100	305	1292	2.57	-0.12	2.70	-0.07	2.63	0	2184
153076	3	35100	301	1210	2.25	-0.07	2.32	-0.11	2.21	0	2185
153076	3	35100	300	1134	2.06	-0.19	2.25	-0.11	2.14	0	2186
153076	3	35100	301	1033	2.05	-0.16	2.23	-0.04	2.19	0	2187
153076	3	35100	339	865	1.85	-0.27	2.12	-0.02	2.15	0	2188
153076	3	35100	339	837	2.25	-0.36	2.61	-0.02	2.65	0	2189
153076	3	35100	338	851	2.32	-0.37	2.69	-0.27	2.96	0	2190
153076	3	35100	336	853	-0.60	-0.40	-0.20	-0.01	-0.19	0	2191
153076	3	35100	327	904	1.66	-0.50	2.16	-0.06	2.22	0	2192
153076	3	35100	340	894	2.37	-0.26	2.63	-0.01	2.62	0	2193
153076	3	35100	344	889	2.25	-0.27	2.52	-0.04	2.56	0	2194
153076	3	35100	346	933	1.91	-0.29	2.20	-0.05	2.23	0	2195
153076	3	35100	350	915	1.94	-0.11	2.05	-0.36	2.41	0	2196
153076	3	35100	356	866	2.03	-0.28	2.31	-0.04	2.35	0	2197
153076	3	35100	359	789	2.27	-0.32	2.60	-0.02	2.62	0	2198
153076	3	35100	361	790	2.47	-0.17	2.58	-0.07	2.51	0	2199
153076	3	35100	369	773	2.72	-0.17	2.89	-0.12	3.01	0	2200
153076	3	35100	374	774	2.81	-0.09	2.90	-0.19	3.09	0	2201
153076	3	35100	363	650	4.50	-0.31	4.81	-0.15	4.66	0	2202
153076	3	35100	312	755	3.12	-0.42	3.61	-0.20	3.41	0	2203
153076	3	35100	321	869	3.56	-0.25	3.81	-0.06	3.75	0	2204
153076	3	35100	251	928	2.49	-0.24	2.73	-0.04	2.69	0	2205
153076	3	35100	243	928	2.00	-0.25	2.25	-0.01	2.26	0	2206
153076	4	43650	221	1128	-0.36	-0.38	-0.02			0	2207
153076	4	43950	285	37	-0.74	-0.15	2.59			0	2208
153076	4	43950	281	111	2.60	-0.08	2.52			0	2209
153076	4	43950	286	220	2.77	-0.09	2.68			0	2210
153076	4	43950	285	368	-0.24	-0.20	-0.44			0	2211
153076	4	43950	266	654	3.16	-0.17	2.99			0	2212
153076	4	43950	263	631	2.62	-0.09	2.53			0	2213
153076	4	43950	265	590	2.30	-0.07	2.23			0	2214
153076	4	42850	355	-108	2.39	-0.02	2.47			0	2215
153076	4	42850	353	-71	2.54	-0.02	2.56			0	2216
153076	4	42850	352	49	2.70	-0.04	2.66			0	2217

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCDE	SEQUENCE NUMBER
153076	4	42850	346	257	3.17	-0.08	3.25			0	2012
153076	4	42850	325	299	2.92	-0.08	3.00			0	2013
153076	4	42850	304	165	2.92	-0.01	2.75			0	2014
153076	4	42850	287	2479	2.73	.10	2.63			0	2015
153076	4	42850	112	2256	-0.65	.01	-0.66			0	2016
153076	4	42850	342	1583	5.07	.08	4.99			0	2017
153076	4	42850	359	212	4.89	.12	4.71			0	2018
153076	4	42850	321	1011	2.82	.05	2.78			0	2019
153076	4	42850	331	1161	2.81	.05	2.78			0	2020
153076	4	42850	326	1657	3.06	.14	2.92			0	2021
153076	4	42850	280	2633	3.62	.14	3.48			0	2022
153076	4	42850	237	4687	2.46	.07	2.39			0	2023
153076	4	42850	264	3485	3.23	.13	3.10			0	2024
153076	4	42400	267	2707	-0.37	.03	-0.40			0	2025
153076	4	42400	273	2527	-0.12	.02	-0.14			0	2026
153076	4	42400	359	1337	2.14	.05	2.08			0	2027
153076	4	42400	351	1507	3.04	.05	2.99			0	2028
153076	4	42400	347	1291	2.55	.07	2.48			0	2029
153076	4	42400	321	2729	.24	0	.24			0	2030
153076	4	42400	307	2233	.21	0	.21			0	2031
153076	4	42400	265	4703	2.02	-0.07	2.09			0	2032
153076	4	42400	255	4230	2.01	-0.04	2.05			0	2033
153076	4	42400	278	5308	2.42	.02	2.40			0	2034
153076	4	42400	286	5002	2.53	-0.04	2.57			0	2035
153076	4	42400	291	4654	2.15	0	2.15			0	2036
153076	4	42400	312	4057	2.06	-0.02	2.08			0	2037
153076	4	42400	325	3493	2.20	-0.04	2.24			0	2038
153076	4	42400	354	1747	2.71	-0.13	2.84			0	2039
153076	4	42400	368	1359	2.51	-0.20	2.71			0	2040
153076	4	42400	367	789	2.17	-0.23	2.40			0	2041
153076	4	42400	370	442	2.19	-0.02	2.21			0	2042
153076	4	42400	368	171	2.73	-0.02	2.75			0	2043
153076	4	42400	369	25	2.32	-0.21	2.54			0	2044
153076	4	42400	370	-23	2.63	-0.16	2.79			0	2045
153076	4	42400	369	-35	2.14	-0.31	2.45			0	2046
153076	4	42400	367	37	1.99	-0.02	2.01			0	2047
153076	4	42400	368	110	2.42	-0.16	2.59			0	2048
153076	4	42400	369	220	2.42	.02	2.40			0	2049
153076	4	42400	368	425	2.69	-0.04	2.73			0	2050
153076	4	42400	365	662	3.05	-0.08	3.13			0	2051
153076	4	42400	351	1270	2.96	-0.11	3.07			0	2052
153076	4	42400	324	2773	3.39	.05	3.34			0	2053
153076	4	42100	287	4161	3.02	.07	2.95			0	2054
153076	4	42100	264	5160	2.56	.01	2.55			0	2055
153076	4	42100	237	6231	2.53	.06	2.47			0	2056

# NADC-72021 VT

FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	42100	149	8743	.19	.02	.11			0	2057
153076	42100	148	8052	-0.08	.09	-0.17			0	2058
153076	42100	249	8872	2.82	.01	2.81			0	2059
153076	42100	369	1174	4.60	.05	4.51			0	2060
153076	42100	367	537	2.90	-0.04	2.94			0	2061
153076	42100	368	364	2.76	0	2.76			0	2062
153076	42100	376	159	2.68	-0.10	2.78			0	2063
153076	42100	382	37	2.66	-0.05	2.71			0	2064
153076	42100	391	-11	1.39	.07	1.32			0	2065
153076	42100	390	405	5.64	.24	5.40			0	2066
153076	42100	394	3286	2.62	.15	2.47			0	2067
153076	42100	241	5384	2.32	.03	2.29			0	2068
153076	42100	217	5554	2.17	.03	2.14			0	2069
153076	42100	321	2501	2.66	.02	2.63			0	2070
153076	42100	413	453	2.54	.11	2.43			0	2071
153076	42100	434	207	1.93	.06	2.06			0	2072
153076	42100	432	86	7.78	-0.13	7.85			0	2073
153076	42100	424	234	-0.70	.07	-0.77			0	2074
153076	42100	425	210	-0.14	.04	-0.22			0	2075
153076	42100	426	258	-0.08	0	-0.08			0	2076
153076	42100	436	223	.30	.08	.22			0	2077
153076	42100	435	74	2.70	0	2.70			0	2078
153076	42100	222	335	6.54	.22	6.66			0	2079
153076	42100	293	6424	2.56	.14	2.42			0	2080
153076	42100	321	3838	2.54	.02	2.46			0	2081
153076	42100	393	3016	2.70	.05	2.65			0	2082
153076	42100	398	665	2.50	.14	2.49			0	2083
153076	42100	397	480	2.60	-0.05	2.55			0	2084
153076	42100	394	295	2.29	-0.10	2.70			0	2085
153076	42100	387	57	2.26	-0.21	2.47			0	2086
153076	42100	367	331	5.31	.05	5.22			0	2087
153076	42100	207	5545	-0.37	.05	-0.06			0	2088
153076	42100	225	5294	-0.25	.07	-0.32			0	2089
153076	42100	361	956	4.13	.10	4.03			0	2090
153076	42100	351	280	5.27	.04	5.23			0	2091
153076	42100	277	3150	2.23	.07	2.16			0	2092
153076	42100	242	4807	2.50	.06	2.44			0	2093
153076	42100	212	5436	2.36	.10	2.26			0	2094
153076	42100	216	6306	2.22	.10	2.15			0	2095
153076	42100	310	3072	2.77	.03	2.74			0	2096
153076	42100	350	855	2.55	.03	2.52			0	2097
153076	42100	363	528	2.55	-0.03	2.58			0	2098

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# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCCE	SEQUENCE NUMBER
153076	4	41300	359	320	2.77	-0.01	2.78			0	2102
153076	4	41300	359	171	2.66	.01	2.65			0	2103
153076	4	41300	362	360	5.07	.10	4.89			0	2104
153076	4	41000	197	6239	.20	.14	.06			0	2105
153076	4	41000	213	5874	-0.15	-0.26	-0.09			0	2106
153076	4	41000	240	5287	-0.68	.28	-0.96			0	2107
153076	4	41000	300	3559	2.52	.02	2.50			0	2108
153076	4	41000	364	1096	3.27	.02	3.25			0	2109
153076	4	41000	372	365	3.75	-0.02	3.77			0	2110
153076	4	41000	374	367	6.08	.02	6.06			0	2111
153076	4	41000	289	2910	3.38	.65	3.33			0	2112
153076	4	41000	264	3811	3.04	.03	3.01			0	2113
153076	4	41000	242	4464	2.55	.03	2.52			0	2114
153076	4	40750	363	295	3.45	0	3.45			0	2115
153076	4	40750	360	13	2.36	-0.03	2.39			0	2116
153076	4	40750	362	649	5.23	.22	5.01			0	2117
153076	4	40550	224	6011	-0.04	0	-0.04			0	2118
153076	4	40550	233	5676	-0.73	0	-0.30			0	2119
153076	4	40550	248	5059	-0.25	.14	-0.39			0	2120
153076	4	40550	270	4257	.32	-0.02	.40			0	2121
153076	4	40550	298	3517	2.83	-0.02	2.85			0	2122
153076	4	40550	346	1425	2.37	-0.06	2.46			0	2123
153076	4	40550	352	49	3.12	0	3.12			0	2124
153076	4	40550	367	295	5.21	.12	5.08			0	2125
153076	4	40550	310	3241	4.10	.15	3.95			0	2126
153076	4	40550	278	4627	2.72	.09	2.63			0	2127
153076	4	40550	273	5748	2.86	.07	2.79			0	2128
153076	4	40300	314	4655	2.55	.06	2.49			0	2129
153076	4	40300	325	4319	2.67	-0.03	2.70			0	2130
153076	4	40300	333	4603	3.51	.09	3.42			0	2131
153076	4	40300	345	3844	2.68	.05	2.63			0	2132
153076	4	40300	365	3600	2.79	-0.01	2.80			0	2133
153076	4	40300	363	2623	2.53	.06	2.47			0	2134
153076	4	40300	351	2976	2.59	.01	2.58			0	2135
153076	4	40300	325	3209	2.07	-0.08	2.15			0	2136
153076	4	40300	368	492	2.17	-0.07	2.24			0	2137
153076	4	40300	368	270	2.11	-0.03	2.14			0	2138
153076	4	40300	366	384	1.99	.08	1.91			0	2139
153076	4	40300	361	172	3.09	-0.14	3.23			0	2140
153076	4	40300	352	643	3.14	-0.10	3.24			0	2141
153076	4	40300	343	626	2.49	0	2.49			0	2142
153076	4	40300	343	1039	3.18	-0.08	3.26			0	2143
153076	4	40300	314	2223	3.27	.02	3.25			0	2144
153076	4	39500	285	3555	2.56	-0.02	2.58			0	2145
153076	4	39500	266	4277	2.46	.06	2.40			0	2146

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNC-1)	ALTITUDE	NZ FORE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	4	39900	149	6277	-0.53	.08	-0.61			0	2147
153076	4	39900	253	6272	2.57	-0.02	2.59			0	2148
153076	4	39900	245	6144	2.36	-0.04	2.40			0	2149
153076	4	39900	348	2597	5.21	.08	5.13			0	2150
153076	4	39900	357	712	4.87	.20	4.67			0	2151
153076	4	39950	292	4715	.37	.11	.26			0	2152
153076	4	39950	316	4897	2.47	.05	2.42			0	2153
153076	4	39950	301	5546	2.52	.02	2.50			0	2154
153076	4	39950	283	6158	.54	.09	.45			0	2155
153076	4	39950	273	6225	2.29	-0.02	2.31			0	2156
153076	4	39950	353	2403	3.18	-0.04	3.22			0	2157
153076	4	39950	358	1448	3.21	-0.07	3.28			0	2158
153076	4	39950	354	570	3.67	-0.05	3.72			0	2159
153076	4	39950	741	172	2.79	-0.13	2.92			0	2160
153076	4	39950	349	1765	5.15	.13	5.02			0	2161
153076	4	39950	198	7544	.01	.05	-0.04			0	2162
153076	4	39950	209	7395	4.39	.02	4.37			0	2163
153076	4	39950	202	3211	2.57	-0.04	2.61			0	2164
153076	4	39950	208	887	2.67	.05	2.62			0	2165
153076	4	39950	303	503	.86	-0.03	.89			0	2166
153076	4	39950	324	172	4.29	.10	4.10			0	2167
153076	4	39950	326	380	2.71	.04	2.67			0	2168
153076	4	39950	266	3466	2.55	.06	2.89			0	2169
153076	4	39950	314	6221	2.58	-0.02	2.60			0	2170
153076	4	39950	290	6591	.31	.01	.30			0	2171
153076	4	39950	255	6973	2.76	.09	2.67			0	2172
153076	4	39950	293	6431	2.62	.09	2.66			0	2173
153076	4	39950	310	5788	2.47	-0.04	2.47			0	2174
153076	4	39950	348	3630	2.77	-0.02	2.79			0	2175
153076	4	39950	355	3276	2.86	.07	2.79			0	2176
153076	4	39950	369	861	2.60	.04	2.56			0	2177
153076	4	39950	368	159	4.75	.15	4.56			0	2178
153076	4	39950	347	1581	-0.04	.01	-0.05			0	2179
153076	4	39950	170	7822	-1.09	.06	-1.15			0	2180
153076	4	39950	198	7639	4.68	.07	4.61			0	2181
153076	4	39950	321	294	.87	.09	.78			0	2182
153076	4	39950	321	58	4.09	.12	3.91			0	2183
153076	4	39950	327	429	3.16	.09	3.07			0	2184
153076	4	39950	304	1791	2.16	.04	2.12			0	2185
153076	4	39950	268	6095	2.55	-0.02	2.57			0	2186
153076	4	39950	328	1558	2.60	-0.03	2.63			0	2187
153076	4	39950	332	1257	2.70	-0.01	2.71			0	2188
153076	4	39950	374	690	2.21	.03	2.18			0	2189
153076	4	39950	374	418	5.10	.21	4.89			0	2190
153076	4	39950	355	1433						0	2191



NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EUV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	4	38500	177	7571	-0.41	.09	-0.50			0	2192
153076	4	38600	296	2315	4.05	.10	3.95			0	2193
153076	4	38600	299	840	2.90	-0.01	2.91			0	2194
153076	4	38600	292	662	2.52	-0.02	2.94			0	2195
153076	4	38600	297	566	3.39	-0.05	3.44			0	2196
153076	4	38600	324	794	2.54	.12	4.07			0	2197
153076	4	38600	300	1791	2.54	.05	2.45			0	2198
153076	4	38600	294	2508	2.28	.05	2.23			0	2199
153076	4	38600	217	7317	2.17	0	2.17			0	2200
153076	4	38600	272	6805	2.29	.04	2.25			0	2201
153076	4	38600	267	5499	2.54	.05	2.49			0	2202
153076	4	38600	358	3055	2.43	0	2.43			0	2203
153076	4	38600	343	1880	2.48	-0.08	2.56			0	2204
153076	4	38600	391	1511	3.46	-0.02	3.48			0	2205
153076	4	38600	393	800	3.19	.01	3.18			0	2206
153076	4	38600	367	1836	5.02	.18	4.84			0	2207
153076	4	38600	245	6554	2.55	.06	2.49			0	2208
153076	4	38600	270	7065	2.55	.07	2.48			0	2209
153076	4	38600	207	7759	-1.29	.12	-1.41			0	2210
153076	4	38600	342	1494	5.90	.14	5.66			0	2211
153076	4	38600	360	768	2.94	.03	3.91			0	2212
153076	4	38600	367	799	4.30	.00	4.21			0	2213
153076	4	38600	310	3281	2.29	-0.09	2.38			0	2214
153076	4	38600	305	3511	2.07	-0.04	2.11			0	2215
153076	4	38600	300	3582	2.21	.05	2.16			0	2216
153076	4	38600	335	6261	.37	.08	.29			0	2217
153076	4	38600	343	6083	2.99	.06	2.93			0	2218
153076	4	38600	325	6480	2.91	.04	2.87			0	2219
153076	4	37700	357	2549	2.67	.03	2.64			0	2220
153076	4	37700	374	1340	2.95	0	2.95			0	2221
153076	4	37700	375	384	3.67	-0.02	3.70			0	2222
153076	4	37700	388	247	3.08	.12	2.96			0	2223
153076	4	37700	387	296	3.18	-0.07	3.25			0	2224
153076	4	37700	363	1907	4.75	.19	4.56			0	2225
153076	4	37700	238	6560	2.45	.07	2.38			0	2226
153076	4	37700	202	8316	2.06	.02	2.04			0	2227
153076	4	37700	222	8172	-0.93	.17	-1.10			0	2228
153076	4	37700	285	4894	5.56	.05	4.05			0	2229
153076	4	37700	357	1223	5.56	.06	5.50			0	2230
153076	4	37700	385	527	4.92	.07	4.85			0	2231
153076	4	37700	350	2580	3.16	.04	3.12			0	2232
153076	4	37700	267	6647	2.42	.01	2.91			0	2233
153076	4	37700	267	6528	2.92	0	2.92			0	2234
153076	4	37700	247	6228	2.95	-0.03	2.98			0	2235
153076	4	37700	317	5756	2.29	.03	2.26			0	2236

# ACCELEROMETER DATA

A/C SER.NO.- 153076 FLT.NO. 4 DATE 5/13/70 FLT.TIME .79HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 8272 9789 7623 5774

COUNTS AFTER FLT 8275 5790 7624 5774

DIFFERENCE 3 1 1 0

CG ACCEL. 3 1 0 0

FCRC ACCEL. 4 2 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2074 7.85 7.78  
2080 6.66 6.94  
2111 6.06 6.08  
2221 5.66 5.80

NADC-72021: VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A'S (KNOTS)	ALTITUDE	NZ FCRE	A2 DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	4	37300	351	3732	2.33	-0.10	2.43		0		2237
153076	4	37300	359	3119	2.54	-0.04	2.56		0		2238
153076	4	37300	361	2337	2.62	-0.02	2.64		0		2239
153076	4	37300	368	1568	2.33	-0.02	3.35		0		2240
153076	4	37300	366	556	3.60	.07	3.53		0		2241
153076	4	37300	360	283	3.20	-0.05	3.25		0		2242
153076	4	37300	367	1382	5.46	.19	5.27		0		2243
153076	4	37300	213	7796	-0.38	.08	-0.11		0		2244
153076	4	37300	221	7796	-0.38	.05	-0.43		0		2245
153076	4	37300	231	7569	.21	.03	.18		0		2246
153076	4	37300	303	3101	4.42	.05	4.37		0		2247
153076	4	37300	335	608	5.52	.19	5.33		0		2248
153076	4	36900	270	3142	.32	.05	.37		0		2249
153076	4	36900	265	3187	2.81	.02	2.78		0		2250
153076	4	36900	231	2509	.32	-0.11	.43		0		2251
153076	4	36900	278	2549	2.15	.04	2.11		0		2252
153076	4	35900	260	306	.37	.13	.24		0		2253
153076	4	35900	266	256	.49	.16	.33		0		2254
153076	4	35900	266	258	.60	.07	.53		0		2255
153076	4	35900	263	344	.49	.21	.28		0		2256
153076	4	35900	258	457	1.93	-0.31	2.24		0		2257
153076	4	35900	254	493	2.50	.03	2.47		0		2258
153076	4	35900	253	532	2.30	-0.25	2.55		0		2259
153076	4	35900	250	517	2.26	-0.26	2.52		0		2260
153076	4	35900	250	530	2.72	-0.12	2.84		0		2261
153076	4	35900	247	556	2.53	-0.05	2.58		0		2262
153076	4	35900	249	632	2.87	-0.02	2.89		0		2263
153076	4	35900	246	644	2.66	-0.20	2.66		0		2264
153076	4	35900	241	669	2.81	-0.06	2.87		0		2265
153076	4	35900	234	715	2.75	-0.06	2.81		0		2266
153076	4	35900	233	768	2.22	-0.14	2.36		0		2267
153076	4	35900	230	805	2.48	0	2.48		0		2268
153076	5	44760	210	-448	2.06	0	2.06		0		2269
153076	5	44760	217	-425	-0.66	-0.41	-0.25		0		2270
153076	5	44760	227	-436	.93	-0.15	1.08		0		2271
153076	5	44760	265	-169	2.39	.10	3.29		0		2272
153076	5	44000	318	2857	2.57	.12	2.45		0		2273
153076	5	44000	365	1797	3.20	.17	3.03		0		2274
153076	5	44000	298	2438	.15	.04	.11		0		2275
153076	5	44000	284	2717	2.21	.04	2.17		0		2276
153076	5	44000	246	4528	.32	.11	.22		0		2277
153076	5	44000	281	3674	2.58	.08	2.50		0		2278
153076	5	43600	294	3550	3.07	.01	3.06		0		2279
153076	5	43600	312	3056	3.39	.08	3.31		0		2280
153076	5	43600	326	2336	3.46	.12	3.34		0		2281

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRGSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCEE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	5	43600	354	1292	3.92	.04	3.88		0		2202
153076	5	43600	765	955	3.20	.05	3.15		0		2203
153076	5	43600	371	198	2.64	.11	3.53		0		2204
153076	5	43600	372	-48	2.79	-0.07	2.86		0		2205
153076	5	43600	370	-158	3.39	.10	3.29		0		2206
153076	5	43600	370	-231	2.93	-0.12	3.05		0		2207
153076	5	43600	375	-230	2.50	.02	2.48		0		2208
153076	5	43600	376	-219	1.91	-0.42	2.34		0		2209
153076	5	43600	371	-230	.82	.32	.50		0		2210
153076	5	43600	374	-231	2.32	-0.40	2.72		0		2211
153076	5	43600	372	-218	2.86	-0.23	3.09		0		2212
153076	5	43600	370	-146	3.69	-0.16	3.85		0		2213
153076	5	43600	377	-72	3.69	-0.08	3.77		0		2214
153076	5	43600	377	1	1.60	.38	1.22		0		2215
153076	5	43600	369	637	4.22	.17	4.05		0		2216
153076	5	43600	345	1646	3.10	.02	3.08		0		2217
153076	5	43600	318	2548	3.59	0	3.59		0		2218
153076	5	43600	301	2865	2.42	.18	3.25		0		2219
153076	5	43600	270	5077	2.10	-0.11	2.21		0		2220
153076	5	43600	249	6247	2.80	.05	2.75		0		2221
153076	5	43600	176	8540	-0.56	0	-0.56		0		2222
153076	5	43600	170	8790	-0.44	-0.03	-0.41		0		2223
153076	5	43600	261	6513	1.45	.10	1.35		0		2224
153076	5	43600	321	4608	3.56	.04	3.52		0		2225
153076	5	43600	379	800	5.90	.15	5.71		0		2226
153076	5	43600	374	-73	3.64	.02	3.62		0		2227
153076	5	43600	379	-306	3.92	.08	3.84		0		2228
153076	5	43600	392	-48	5.62	.15	5.47		0		2229
153076	5	43600	320	3008	3.31	.05	3.26		0		2230
153076	5	43600	274	4023	2.92	.17	2.75		0		2231
153076	5	43600	278	4416	2.49	.03	2.52		0		2232
153076	5	43050	246	5425	-0.38	-0.27	-0.11		0		2233
153076	5	43050	244	5428	.17	0	.17		0		2234
153076	5	43050	242	5498	.12	-0.05	.17		0		2235
153076	5	43050	273	5101	2.31	.15	2.16		0		2236
153076	5	43050	241	4493	2.15	.12	2.02		0		2237
153076	5	43050	274	2502	2.28	.10	2.18		0		2238
153076	5	43050	278	1748	2.53	.04	2.49		0		2239
153076	5	43050	302	667	2.56	.08	2.48		0		2240
153076	5	43050	301	136	2.64	0	2.64		0		2241
153076	5	43050	309	-280	.30	.02	.28		0		2242
153076	5	43050	428	-281	.23	.12	.11		0		2243
153076	5	43050	443	-281	.46	.20	.26		0		2244
153076	5	43050	460	-280	3.87	.14	3.73		0		2245
153076	5	43050	437	2328	7.05	.35	6.70		0		2246

# NADC-7/2021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153076	5	43050	293	6232	-1.57	-0.04	-1.53		0	0	2327
153076	5	43050	290	6233	2.10	0	2.10		0	0	2328
153076	5	43050	263	6698	2.86	.11	2.75		0	0	2329
153076	5	43050	226	10154	2.28	.08	2.20		0	0	2330
153076	5	42900	249	6477	2.79	.13	2.66		0	0	2331
153076	5	42900	279	7199	3.22	.13	3.09		0	0	2332
153076	5	42900	263	6630	3.30	.05	3.25		0	0	2333
153076	5	42900	246	6455	2.82	.12	2.70		0	0	2334
153076	5	42900	278	6516	2.57	.06	2.51		0	0	2335
153076	5	42900	242	6246	2.38	.11	2.27		0	0	2336
153076	5	42900	307	5809	2.54	.09	2.45		0	0	2337
153076	5	42900	345	3725	3.19	.10	3.09		0	0	2338
153076	5	42900	355	2276	2.09	.13	2.96		0	0	2339
153076	5	42900	377	1802	2.32	.03	2.29		0	0	2340
153076	5	42900	384	527	2.97	-0.06	3.03		0	0	2341
153076	5	42900	391	322	2.68	-0.15	2.83		0	0	2342
153076	5	42900	414	34	3.03	0	3.03		0	0	2343
153076	5	42200	414	122	.31	.09	.22		0	0	2344
153076	5	42200	418	-220	.45	.18	.27		0	0	2345
153076	5	42200	422	-270	.47	.04	.43		0	0	2346
153076	5	42200	417	-207	.30	.01	.29		0	0	2347
153076	5	42200	413	-318	.48	.08	.40		0	0	2348
153076	5	42200	386	-393	.77	.23	.54		0	0	2349
153076	5	42900	367	99	5.76	.27	5.49		0	0	2350
153076	5	42900	151	5858	.08	.08	0		0	0	2351
153076	5	42900	209	5134	-0.47	-0.31	-0.16		0	0	2352
153076	5	42900	277	4617	-1.00	.43	-1.43		0	0	2353
153076	5	42900	244	3884	-0.07	.35	-0.42		0	0	2354
153076	5	42200	272	3232	.25	.09	.16		0	0	2355
153076	5	42200	365	798	5.40	.17	5.23		0	0	2356
153076	5	42200	375	1	5.58	.03	5.55		0	0	2357
153076	5	42900	312	1539	.32	.11	.21		0	0	2358
153076	5	42200	272	3501	2.65	.02	2.63		0	0	2359
153076	5	42200	229	4349	2.42	.07	2.50		0	0	2360
153076	5	41650	229	5377	2.58	.07	2.51		0	0	2361
153076	5	41650	245	4832	2.50	.17	2.33		0	0	2362
153076	5	41650	278	4016	2.65	.17	2.48		0	0	2363
153076	5	41650	384	534	4.29	.09	4.20		0	0	2364
153076	5	41650	384	50	2.48	-0.16	2.64		0	0	2365
153076	5	41650	390	-23	.24	.17	.07		0	0	2366
153076	5	41650	396	-122	2.53	-0.02	2.55		0	0	2367
153076	5	41650	396	-170	.36	.08	.28		0	0	2368
153076	5	41650	393	-220	.29	-0.22	.51		0	0	2369
153076	5	41650	390	-184	2.84	-0.26	3.10		0	0	2370
153076	5	41650	388	37	-2.50	.14	-2.64		0	0	2371

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	ENV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCOE	SEQUENCE NUMBER
153076	5	41650	387	-35	-0.93	.20	-1.12			0	2372
153076	5	41650	389	-48	-1.75	.01	-1.76			0	2373
153076	5	41650	389	-158	.15	.42	-0.27			0	2374
153076	5	41650	389	124	5.97	.17	5.80			0	2375
153076	5	41650	389	2516	3.05	.06	2.92			0	2376
153076	5	41650	196	6068	-0.04	0	-0.04			0	2377
153076	5	41650	354	1308	2.58	.06	2.52			0	2378
153076	5	41650	361	799	3.21	.02	3.18			0	2379
153076	5	41650	362	536	3.15	.02	3.13			0	2380
153076	5	41650	361	335	3.07	.02	3.05			0	2381
153076	5	41650	351	38	2.56	.01	2.55			0	2382
153076	5	41650	405	-84	.30	.12	.18			0	2383
153076	5	41650	415	-85	.20	.15	.05			0	2384
153076	5	41650	450	13	6.91	.03	6.88			0	2385
153076	5	41650	449	75	-1.32	-0.02	-1.30			0	2386
153076	5	41650	455	161	-1.26	-0.07	-1.19			0	2387
153076	5	41650	456	161	-0.62	.33	-1.01			0	2388
153076	5	41650	460	1	4.05	-0.58	4.63			0	2389
153076	5	41650	449	211	6.14	.16	5.98			0	2390
153076	5	41650	353	1945	2.77	.01	2.76			0	2391
153076	5	41650	311	3149	2.32	.04	2.28			0	2392
153076	5	41650	265	4667	2.52	.03	2.49			0	2393
153076	5	40550	350	721	3.61	.14	3.47			0	2394
153076	5	40550	364	334	3.09	.07	3.02			0	2395
153076	5	40550	379	-60	2.15	-0.05	2.24			0	2396
153076	5	40550	366	-48	.79	.12	.27			0	2397
153076	5	40550	381	174	6.31	-0.56	6.87			0	2398
153076	5	40550	406	273	-0.62	-0.12	-0.50			0	2399
153076	5	40550	425	410	6.61	.14	6.47			0	2400
153076	5	40550	370	2579	2.94	.01	2.93			0	2401
153076	5	40550	350	3568	4.30	.14	4.16			0	2402
153076	5	40000	243	7083	2.23	.07	2.16			0	2403
153076	5	40000	244	7089	.31	.04	.27			0	2404
153076	5	40000	229	6448	2.08	.02	2.06			0	2405
153076	5	40000	221	5850	2.11	.01	2.10			0	2406
153076	5	40000	221	5313	2.29	.10	2.19			0	2407
153076	5	40000	235	4727	2.22	.01	2.21			0	2408
153076	5	40000	251	3516	2.42	.02	2.40			0	2409
153076	5	40000	264	2624	2.37	-0.07	2.44			0	2410
153076	5	40000	306	1217	2.54	.04	2.50			0	2411
153076	5	40000	318	722	2.93	.06	2.87			0	2412
153076	5	40000	355	460	2.79	.08	2.71			0	2413
153076	5	40000	384	25	2.17	.05	2.08			0	2414
153076	5	40000	401	38	.28	-0.38	.66			0	2415
153076	5	40000	401	1	.57	.22	.35			0	2416

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ G.I.F. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	5	40000	407	38	.54	.23	.31			0	2417
153076	5	40000	410	13	.43	.30	.13			0	2418
153076	5	40000	443	38	-0.14	.38	-0.52			0	2419
153076	5	40000	448	25	-0.02	.25	-0.27			0	2420
153076	5	40000	467	38	7.68	.52	7.16			0	2421
153076	5	40000	466	175	-1.19	.30	-1.49			0	2422
153076	5	40000	465	249	-0.33	.15	-0.48			0	2423
153076	5	40000	470	402	-1.06	.12	-1.18			0	2424
153076	5	40000	477	1	2.20	-0.33	2.53			0	2425
153076	5	40000	459	287	7.01	.34	6.67			0	2426
153076	5	40000	316	3580	3.82	.03	3.79			0	2427
153076	5	39450	251	5038	2.10	0	2.10			0	2428
153076	5	38950	228	7181	2.17	.01	2.16			0	2429
153076	5	38950	219	7073	2.20	.02	2.18			0	2430
153076	5	38950	392	2473	2.96	.09	1.97			0	2431
153076	5	38950	404	1516	2.25	.08	2.17			0	2432
153076	5	38950	417	1565	2.09	-0.09	2.18			0	2433
153076	5	38950	443	805	3.06	.19	2.87			0	2434
153076	5	38950	443	577	2.87	-0.08	2.95			0	2435
153076	5	38950	436	237	3.33	.07	3.26			0	2436
153076	5	38950	406	124	.54	.01	.53			0	2437
153076	5	38950	384	1424	5.44	.10	5.34			0	2438
153076	5	38950	172	7562	.06	.06	0			0	2439
153076	5	38950	173	7734	-0.24	.09	-0.33			0	2440
153076	5	38950	178	7843	-0.59	.05	-0.54			0	2441
153076	5	38950	271	5875	3.44	.04	3.40			0	2442
153076	5	38950	344	1906	6.57	.16	6.41			0	2443
153076	5	38950	339	174	2.98	.03	2.95			0	2444
153076	5	38950	348	88	.67	.12	.55			0	2445
153076	5	38950	347	561	5.18	.22	4.96			0	2446
153076	5	38950	311	2353	.84	-0.12	.96			0	2447
153076	5	38950	308	3163	.43	.15	.28			0	2448
153076	5	38950	255	4240	.19	-0.06	.25			0	2449
153076	5	37550	287	200	2.19	.08	2.11			0	2450
153076	5	37550	343	1067	4.31	.18	4.13			0	2451
153076	5	37550	298	2464	4.64	.10	4.54			0	2452
153076	5	37550	247	3506	2.15	.03	2.16			0	2453
153076	5	37550	255	2568	2.34	.08	2.26			0	2454
153076	5	37550	325	3132	2.83	-0.06	2.89			0	2455
153076	5	37550	329	2892	2.71	-0.12	2.83			0	2456
153076	5	37550	322	2623	.27	.09	.18			0	2457
153076	5	37550	325	2489	.34	.07	.27			0	2458
153076	5	37550	361	1854	2.59	-0.06	2.65			0	2459
153076	5	37550	373	1507	2.96	-0.02	2.98			0	2460
153076	5	37550	377	1438	2.67	.02	2.65			0	2461

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	5	37550	377	1416	3.02	-0.06	3.08		0	2462
153076	5	37550	386	1428	3.08	-0.10	3.18		0	2463
153076	5	37550	381	1415	2.91	-0.04	2.95		0	2464
153076	5	37550	350	1439	3.04	-0.12	3.16		0	2465
153076	5	37550	329	1591	2.89	-0.25	3.14		0	2466
153076	5	37550	308	1809	2.04	-0.08	2.12		0	2467
153076	5	37550	316	1839	2.17	.01	2.16		0	2468
153076	5	37550	323	2262	2.83	.09	2.74		0	2469
153076	5	37550	318	2494	2.65	.04	2.61		0	2470
153076	5	37550	306	2744	.34	-0.09	.43		0	2471
153076	5	37050	233	7112	2.14	.03	2.15		0	2472
153076	5	37050	256	6377	2.56	-0.03	2.59		0	2473
153076	5	37050	267	6021	2.52	-0.02	2.55		0	2474
153076	5	37050	282	5314	2.70	.11	2.59		0	2475
153076	5	37050	310	4509	2.57	-0.05	2.62		0	2476
153076	5	37050	310	4254	2.61	-0.11	2.72		0	2477
153076	5	37050	329	3830	2.57	-0.05	2.62		0	2478
153076	5	37050	353	3048	2.70	.06	2.64		0	2479
153076	5	37050	378	2824	2.95	-0.10	3.05		0	2480
153076	5	37050	385	1670	2.70	-0.07	2.77		0	2481
153076	5	37050	395	1192	2.70	.08	2.62		0	2482
153076	5	37050	402	532	2.49	.16	2.49		0	2483
153076	5	37050	407	766	2.82	.16	2.66		0	2484
153076	5	37050	408	574	2.79	-0.48	3.27		0	2485
153076	5	37050	410	543	2.06	-0.11	2.17		0	2486
153076	5	37050	410	524	2.96	-0.23	3.19		0	2487
153076	5	37050	418	474	3.19	-0.07	3.26		0	2488
153076	5	37050	408	476	3.33	.02	3.31		0	2489
153076	5	37050	402	818	3.70	-0.28	4.08		0	2490
153076	5	37050	394	1605	3.44	-0.07	3.51		0	2491
153076	5	37050	386	1231	3.74	-0.08	3.82		0	2492
153076	5	37050	342	3054	3.69	.15	3.54		0	2493
153076	5	37050	320	4002	3.00	-0.06	3.06		0	2494
153076	5	37050	310	4381	2.54	-0.24	2.78		0	2495
153076	5	37050	299	4422	3.20	-0.06	3.26		0	2496
153076	5	37050	262	6074	2.67	-0.16	2.83		0	2497
153076	5	37050	219	7585	2.23	.05	2.18		0	2498
153076	5	37050	223	8120	2.28	-0.06	2.34		0	2499
153076	5	37050	244	7298	2.76	.11	2.65		0	2500
153076	5	37050	299	4708	3.62	.07	3.55		0	2501
153076	5	37050	318	3686	3.84	-0.12	3.97		0	2502
153076	5	37050	335	2785	3.14	-0.02	3.16		0	2503
153076	5	37050	350	1542	3.62	-0.11	3.73		0	2504
153076	5	37050	359	1223	3.31	-0.19	3.50		0	2505
153076	5	37050	364	1091	3.06	-0.02	3.08		0	2506



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BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AF1	MANUEVER CODE	SEQUENCE NUMBER
153076	5	37050	362	691	3.43	-0.10	3.53		0		2507
153076	5	36550	353	639	3.13	-0.04	3.17		0		2508
153076	5	36550	350	601	2.79	-0.12	2.91		0		2509
153076	5	36550	348	667	2.71	-0.02	2.72		0		2510
153076	5	36550	340	625	2.61	-0.01	2.62		0		2511
153076	5	36550	331	1054	2.59	-0.08	2.58		0		2512
153076	5	36550	322	1415	2.56	-0.07	2.63		0		2513
153076	5	36550	315	1646	2.55	-0.07	2.62		0		2514
153076	5	36550	306	1985	2.26	-0.13	2.39		0		2515
153076	5	36550	301	2238	2.16	-0.09	2.25		0		2516
153076	5	36550	296	2559	2.09	0.00	2.09		0		2517
153076	5	36550	280	2966	2.09	-0.02	2.11		0		2518
153076	5	36550	259	3716	2.17	0.00	2.17		0		2519
153076	5	36550	215	6269	2.17	-0.09	2.26		0		2520
153076	5	36550	229	5847	2.35	-0.20	2.55		0		2521
153076	5	36550	253	4559	2.37	-0.37	2.74		0		2522
153076	5	36550	261	4247	2.38	-0.16	2.54		0		2523
153076	5	36550	272	3518	3.00	-0.14	3.14		0		2524
153076	5	36550	280	3409	2.56	-0.08	2.64		0		2525
153076	5	36550	290	2530	2.47	-0.17	2.64		0		2526
153076	5	36550	296	2534	2.36	-0.16	2.52		0		2527
153076	5	36550	308	1875	2.62	0.05	2.57		0		2528
153076	5	36550	316	1508	2.45	-0.23	2.68		0		2529
153076	5	36550	325	1194	2.48	0.05	2.41		0		2530
153076	5	36550	330	885	2.56	0.01	2.67		0		2531
153076	5	36550	328	703	2.29	-0.04	2.32		0		2532
153076	5	36550	329	575	2.10	-0.06	2.16		0		2533
153076	5	36550	331	578	1.88	-0.20	2.08		0		2534
153076	5	36550	327	550	2.58	0.04	2.54		0		2535
153076	5	36550	327	629	2.35	-0.10	2.45		0		2536
153076	5	36550	321	769	2.28	-0.17	2.45		0		2537
153076	5	36550	317	828	2.40	-0.19	2.59		0		2538
153076	5	36550	311	986	2.74	-0.09	2.83		0		2539
153076	5	36550	300	1423	2.47	-0.04	2.51		0		2540
153076	5	36550	298	1670	2.57	0.07	2.50		0		2541
153076	5	36550	280	2376	2.16	0.01	2.15		0		2542
153076	5	36550	229	3588	3.31	0.08	3.23		0		2543
153076	5	36550	266	4675	2.46	-0.07	2.53		0		2544
153076	5	36550	308	2232	2.57	-0.12	2.69		0		2545
153076	5	36550	316	1521	2.54	-0.07	2.61		0		2546
153076	5	36550	328	1074	2.24	-0.01	2.25		0		2547
153076	5	36550	329	517	2.08	-0.19	2.27		0		2548
153076	5	36550	331	852	2.04	-0.12	2.16		0		2549
153076	5	36550	336	768	2.39	-0.03	2.41		0		2550
153076	5	36550	336	590	2.70	-0.15	2.85		0		2551

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BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153076	5	36050	336	538	2.57	-0.27	2.84			0	2552
153076	5	36050	336	501	2.63	-0.08	2.71			0	2553
153076	5	36050	334	550	2.79	-0.12	2.91			0	2554
153076	5	36050	330	641	2.26	-0.14	2.40			0	2555
153076	5	36050	327	704	2.07	-0.11	2.16			0	2556
153076	5	36050	325	796	2.56	0	2.56			0	2557
153076	5	36050	318	1205	2.07	-0.12	2.19			0	2558
153076	5	36050	315	1312	2.08	-0.09	2.17			0	2559
153076	5	36050	312	1442	2.24	-0.02	2.26			0	2560
153076	5	36050	268	2576	.46	-0.04	.50			0	2561
153076	5	36050	267	3559	.18	.02	.16			0	2562
153076	5	36050	292	3070	4.25	.11	4.15			0	2563
153076	5	36050	302	2360	2.88	.11	2.77			0	2564
153076	5	36050	313	2096	2.95	.02	2.93			0	2565
153076	5	36050	337	1472	2.82	.04	2.78			0	2566
153076	5	36050	347	1188	2.06	.22	2.74			0	2567
153076	5	36050	361	1034	3.05	.12	2.93			0	2568
153076	5	36050	394	626	4.24	.13	4.11			0	2569
153076	5	36050	412	388	2.08	-0.05	2.13			0	2570
153076	5	36050	417	402	3.99	-0.37	2.46			0	2571
153076	5	36050	419	466	-2.45	.24	-2.70			0	2572
153076	5	36050	454	590	-2.40	-0.06	-2.34			0	2573
153076	5	36050	463	788	.17	.16	.01			0	2574
153076	5	36050	460	810	5.45	.12	5.33			0	2575
153076	5	36050	356	3022	2.56	.14	2.42			0	2576
153076	5	35550	323	2560	.35	-0.03	.38			0	2577
153076	5	35550	302	4248	.28	.01	.27			0	2578
153076	5	35550	306	2753	2.16	.02	2.14			0	2579
153076	5	35550	304	2704	2.19	-0.02	2.21			0	2580
153076	5	35550	305	2579	2.27	.02	2.25			0	2581
153076	5	35550	304	2619	2.81	0	2.81			0	2582
153076	5	35050	268	2476	2.19	.11	2.08			0	2583
153076	5	35050	217	1426	2.43	.15	2.24			0	2584
153076	5	35050	251	2782	2.32	.12	2.20			0	2585
153076	5	34550	252	2496	3.44	.12	3.32			0	2586
153076	5	34550	235	2834	2.85	-0.05	2.90			0	2587
153076	5	34550	222	3601	2.16	-0.23	2.39			0	2588
153076	5	34550	215	3833	.49	.08	.41			0	2589
153076	5	34550	192	4078	.49	.08	.41			0	2590
153076	5	34550	195	4438	.16	.08	.08			0	2591
153076	5	34550	194	4415	.18	.07	.11			0	2592
153076	5	34550	253	3542	2.37	-0.13	2.50			0	2593
153076	5	34550	273	2019	2.78	.02	2.76			0	2594
153076	5	34550	313	2130	3.33	.04	3.29			0	2595
153076	5	34550	326	1693	3.12	.08	3.04			0	2596

ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.NO. 5 DATE 5/15/70 FLT.TIME 55HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 8275 5790 7624 5774

COUNTS AFTER FLT 8266 5797 7625 5774

DIFFERENCE 11 7 1 0

CG ACCEL. 11 4 0 0

FORE ACCEL. 12 4 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2206	5.71	5.90	
2206	6.70	7.05	
2275	5.20	5.97	
2285	6.82	6.91	
2452	5.52	6.14	
2474	6.07	6.31	
2482	6.47	6.61	
2484	7.16	7.60	
2486	6.67	7.01	
2488	6.61	6.57	
2488	6.88	6.60	
2488	6.24	6.49	

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	5	34550	345	1166	2.61	-0.10	2.71		0		2597
153076	5	34550	346	1025	2.01	-0.07	3.08		0		2598
153076	5	34550	363	769	2.19	.02	2.17		0		2599
153076	5	34550	367	424	.59	.10	.49		0		2600
153076	5	34550	398	413	.32	.06	.26		0		2601
153076	5	34550	403	238	.44	-0.03	.47		0		2602
153076	5	34550	403	288	.23	-0.04	.27		0		2603
153076	5	34550	406	749	.32	.22	.19		0		2604
153076	5	34550	412	700	.62	.37	.25		0		2605
153076	5	34550	428	264	.78	.36	.42		0		2606
153076	5	34550	428	376	6.60	-0.28	6.88		0		2607
153076	5	34550	428	678	6.49	.25	6.24		0		2608
153076	5	34550	428	1282	4.35	.04	4.31		0		2609
153076	5	34550	428	86	2.27	.04	2.23		0		2610
153076	5	44650	250	50	2.17	.02	2.15		0		2611
153076	5	44650	250	50	1.99	-0.06	2.05		0		2612
153076	5	44650	250	50	2.08	-0.01	2.09		0		2613
153076	5	44650	260	1	2.05	-0.07	2.12		0		2614
153076	5	44650	263	1	2.23	-0.03	2.26		0		2615
153076	5	44650	263	-84	2.01	-0.13	2.14		0		2616
153076	5	44650	263	-108	2.23	.02	2.21		0		2617
153076	5	44650	263	500	2.33	.15	2.18		0		2618
153076	5	44650	263	414	2.30	.03	2.25		0		2619
153076	5	44650	263	138	2.24	.07	2.17		0		2620
153076	5	44650	264	50	2.32	.09	2.23		0		2621
153076	5	44650	235	25	2.19	0	2.19		0		2622
153076	5	44650	278	-247	.53	.09	.44		0		2623
153076	5	44650	278	150	2.31	.07	2.24		0		2624
153076	5	44650	278	326	2.28	.11	2.17		0		2625
153076	5	44650	274	376	2.24	.06	2.18		0		2626
153076	5	44650	272	274	2.42	.21	2.21		0		2627
153076	5	44650	260	290	2.26	.09	2.17		0		2628
153076	5	44650	260	88	2.32	.09	2.23		0		2629
153076	5	44650	253	-23	2.11	.07	2.08		0		2630
153076	5	44650	248	-208	2.22	.08	2.14		0		2631
153076	5	44650	247	-232	2.23	.05	2.18		0		2632
153076	5	44650	252	-317	2.36	.13	2.23		0		2633
153076	5	44650	252	-419	2.58	.07	2.51		0		2634
153076	5	44650	277	62	2.46	.05	2.41		0		2635
153076	5	44650	266	-97	2.29	.15	2.14		0		2636
153076	5	44650	247	-231	2.94	.13	2.81		0		2637
153076	5	44650	251	50	2.81	.20	2.61		0		2638
153076	5	44650	252	75	.43	-0.05	.48		0		2639
153076	5	44650	248	75	2.08	-0.02	2.10		0		2640
153076	5	44650	274	-451	.44	-0.11	.59		0		2641
153076	5	44650	280	-439							

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	AZ FCBE	NZ DIFF. (FCBE-CG)	NZ CG	NZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	6	42300	281	-439	.25	-0.26	.51			0	1642
153076	6	42300	282	-427	.15	.09	.06			0	1643
153076	6	42300	319	-453	.53	.26	.27			0	1644
153076	6	42300	323	-401	.44	.18	.26			0	1645
153076	6	41800	351	-415	.76	.30	.46			0	1646
153076	6	41800	352	-294	1.90	-0.28	2.18			0	1647
153076	6	41800	346	-36	.67	.16	.51			0	1648
153076	6	41800	335	100	.30	.06	.24			0	1649
153076	6	41800	342	287	.49	.06	.43			0	1650
153076	6	41800	340	373	-0.06	0	-0.06			0	1651
153076	6	41800	336	398	0	.12	-0.12			0	1652
153076	6	41800	334	349	.57	.10	.47			0	1653
153076	6	41800	316	311	2.54	.05	2.51			0	1654
153076	6	41800	312	274	2.44	.01	2.43			0	1655
153076	6	41800	307	309	2.35	-0.07	2.42			0	1656
153076	6	41800	300	298	2.60	.01	2.59			0	1657
153076	6	41800	299	335	2.81	.01	2.80			0	1658
153076	6	41800	286	447	2.93	-0.05	2.98			0	1659
153076	6	41800	273	423	2.75	-0.01	2.76			0	1660
153076	6	41800	272	447	2.70	.01	2.69			0	1661
153076	6	41800	266	334	2.65	0	2.65			0	1662
153076	6	41800	253	211	2.53	-0.07	2.60			0	1663
153076	6	41800	242	-97	.40	.16	.24			0	1664
153076	6	41250	229	161	2.82	-0.05	2.11			0	1665
153076	6	41250	228	38	2.16	0	2.16			0	1666
153076	6	40700	286	-35	2.31	.10	2.21			0	1667
153076	6	40700	249	348	2.16	.07	2.21			0	1668
153076	6	40700	251	285	2.20	-0.05	2.13			0	1669
153076	6	40700	251	162	2.31	.04	2.24			0	1670
153076	6	40700	249	124	2.32	.04	2.28			0	1671
153076	6	40700	228	50	2.32	-0.06	2.38			0	1672
153076	6	39150	180	198	2.23	.03	2.20			0	1673
153076	6	39150	180	-117	.52	.29	.23			0	1674
153076	6	39150	248	124	2.23	.01	2.22			0	1675
153076	6	39150	251	149	2.14	-0.03	2.17			0	1676
153076	6	39150	251	211	2.20	.11	2.09			0	1677
153076	6	39150	249	273	2.24	.05	2.23			0	1678
153076	6	39150	250	298	2.45	.16	2.27			0	1679
153076	6	39150	252	310	2.37	.06	2.29			0	1680
153076	6	39150	250	286	2.35	.03	2.22			0	1681
153076	6	39150	250	298	2.32	.10	2.22			0	1682
153076	6	39150	255	286	2.16	-0.02	2.18			0	1683
153076	6	39150	254	285	2.17	.01	2.16			0	1684
153076	6	39150	252	273	2.21	.10	2.11			0	1685

# ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.NO. 6 DATE 5/16/70 FLT.TIME .45PRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLY 8286 9797 7625 5774

COUNTS AFTER FLY 8286 9797 7625 5774

DIFFERENCE 0 0 0 0

CG ACCEL. 0 0 0 0

FORE ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCR-CC)	NZ CC	NZ DIFF. (AFT/CC)	NZ AFT	MANOEUVRE CODE	SEQUENCE NUMBER
153076	6	2800	230	687	2.16	-0.03	2.19			0	1008
153076	6	37500	226	409	2.14	.05	2.05			0	1009
153076	6	37500	228	261	2.19	.07	2.12			0	1010
153076	6	37000	231	-133	2.03	-0.06	2.09			0	1011
153076	6	37000	228	-85	2.19	.09	2.18			0	1012
153076	7	4352	143	2630	-0.27	.05	-0.32			0	1013
153076	7	43400	173	8193	-0.37	0	-0.37			0	1014
153076	7	43400	324	6216	-0.58	-0.08	-0.50			0	1015
153076	7	43400	245	8243	.41	-0.08	.49			0	1016
153076	7	43000	452	2721	4.22	.05	4.13			0	1017
153076	7	43000	308	8755	-0.61	-0.19	-0.42			0	1018
153076	7	43000	197	11208	.31	-0.01	.32			0	1019
153076	7	42650	427	2815	4.28	0	4.23			0	1020
153076	7	42650	460	1405	-0.01	-0.08	.07			0	1021
153076	7	42250	544	2217	6.13	.18	5.95			0	1022
153076	7	42250	481	5222	-2.03	-1.24	-0.65			0	1023
153076	7	42250	422	7621	-0.33	-5.47	5.14			0	1024
153076	7	42250	203	11401	.26	.21	.05			0	1025
153076	7	42250	296	11560	-0.12	0	-0.12			0	1026
153076	7	41550	317	6774	3.35	.02	3.33			0	1027
153076	7	41500	463	2210	5.16	.11	5.05			0	1028
153076	7	41600	272	7539	-0.61	-0.32	-0.29			0	1029
153076	7	41600	423	2594	4.53	-0.01	4.54			0	1030
153076	7	41600	462	1866	5.20	.10	5.18			0	1031
153076	7	41600	376	2652	3.87	.05	3.82			0	1032
153076	7	41300	417	2099	4.31	.07	4.24			0	1033
153076	7	41300	492	1731	-2.80	-0.23	-2.57			0	1034
153076	7	41300	515	1641	-1.44	.03	-1.47			0	1035
153076	7	41300	521	1713	6.29	-0.02	6.31			0	1036
153076	7	41300	258	5857	.45	.02	.43			0	1037
153076	7	40900	324	7648	3.09	.03	3.06			0	1038
153076	7	40900	456	2495	2.45	-0.04	2.49			0	1039
153076	7	40550	500	1592	.50	.06	.44			0	1040
153076	7	40550	497	1856	6.32	-0.39	6.71			0	1041
153076	7	40550	493	2112	-1.51	.20	-1.79			0	1042
153076	7	40550	480	2035	-1.91	-0.42	-1.49			0	1043
153076	7	40550	483	1939	.69	-0.15	.84			0	1044
153076	7	40550	488	2152	5.97	.11	5.86			0	1045
153076	7	40550	327	4703	.16	-0.02	.18			0	1046
153076	7	40150	396	4901	3.01	-0.05	3.06			0	1047
153076	7	40150	463	2666	2.73	-0.05	2.82			0	1048
153076	7	40150	494	1976	.13	.06	.07			0	1049
153076	7	40150	518	1860	7.13	-0.13	7.26			0	1050
153076	7	40150	498	2090	-1.46	-0.95	-0.47			0	1051
153076	7	40150	489	2140	-0.18	.34	-0.52			0	1052

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	7	40150	514	2097	-0.12	-0.26	.14			42	1041
153076	7	40150	515	1910	6.20	.04	6.16			42	1042
153076	7	39150	328	6730	.60	.20	.40			0	1043
153076	7	39150	427	6577	.30	.06	.24			0	1044
153076	7	39150	464	2836	4.11	-0.04	4.15			0	1045
153076	7	39150	511	1659	7.00	-0.14	7.94			34	1046
153076	7	39150	503	1530	-1.59	-0.12	-1.47			34	1047
153076	7	39150	510	1741	-0.71	-0.34	-0.37			34	1048
153076	7	39150	516	1701	3.82	-0.18	4.00			34	1049
153076	7	39150	510	1642	.65	.13	.52			34	1050
153076	7	39150	517	1738	5.97	-0.10	6.07			34	1051
153076	7	39150	416	3767	3.61	-0.07	3.68			0	1052
153076	7	39150	440	2294	3.54	0	3.54			0	1053
153076	7	39150	469	1873	-1.54	-0.22	-1.32			32	1054
153076	7	39150	479	1860	6.74	.15	6.59			32	1055
153076	7	39150	481	1519	.53	.24	.29			32	1056
153076	7	39150	440	2018	3.94	-0.07	4.01			32	1057
153076	7	39150	456	1510	.32	.05	.27			35	1058
153076	7	39150	434	2810	5.24	.10	5.14			35	1059
153076	7	39150	264	6789	-0.48	-0.31	-0.17			35	1060
153076	7	39150	281	7153	-0.95	-0.31	-0.64			35	1061
153076	7	39150	364	4783	4.45	.17	4.28			35	1062
153076	7	39150	440	2159	5.84	.06	5.78			35	1063
153076	7	39150	236	6476	.17	.16	.01			35	1064
153076	7	39150	418	2604	3.74	-0.03	3.77			44	1065
153076	7	39150	474	2044	6.46	.02	6.44			44	1066
153076	7	39150	481	1514	.23	.17	.06			44	1067
153076	7	39150	485	1560	5.75	-0.01	5.76			44	1068
153076	7	39150	282	5276	-0.13	-0.16	.03			44	1069
153076	7	39150	266	7291	.23	.03	.20			0	1070
153076	7	39150	488	2044	.75	.51	.24			0	1071
153076	7	39150	482	1570	3.42	-0.40	3.82			0	1072
153076	7	39150	476	3066	3.67	-0.20	3.87			0	1073
153076	7	39150	134	1882	.24	.05	.19			0	1074
153076	7	39150	412	2407	3.41	-0.16	3.57			0	1075
153076	7	39150	167	6314	.29	.12	.17			0	1076
153076	7	39150	311	3131	.28	.05	.23			0	1077
153076	7	39150	390	3756	4.16	.10	4.06			0	1078
153076	7	39150	455	2277	3.92	.18	3.82			0	1079
153076	7	39150	510	1639	3.52	-0.05	3.61			0	1080
153076	7	39150	512	1787	-2.48	-0.07	-2.33			45	1081
153076	7	39150	511	1731	-1.65	.31	-1.96			45	1082
153076	7	39150	498	1826	2.89	-0.19	3.08			45	1083
153076	7	39150	480	1870	-1.58	.12	-1.71			45	1084
153076	7	39150	480	1870	-1.58	.12	-1.71			45	1085



# ACCELEROMETER DATA

A/C SER. NO. 153376 FLT. AC. 7 DATE 9/22/70 FLT. TIME .55HRS.

6.00 7.86 8.50 12.00

COUNTS BEFORE FLT 8288 9797 7625 9774

COUNTS AFTER FLT 8298 9808 7626 9774

DIFFERENCE 12 2 1 0

CG ACCEL. 13 2 0 0

FCRE ACCEL. 14 2 0 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FCRE ACCEL. AFT ACCEL.

1010	5.95		6.13
1024	6.31		6.29
1029	6.71		6.32
1033	5.86		5.97
1030	7.26		7.13
1042	6.16		6.20
1046	7.94		7.80
1051	6.07		5.97
1054	6.30		6.02
1056	6.59		6.74
1064	5.78		5.84
1067	6.44		6.46
1095	6.32		6.82
1097	7.08		7.18

NADC-72021 VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FORCE	NZ DIFF. (FCNE-CG)	NZ CG	NZ DIFF. (APT/CG)	NZ APT	MANUEVER CODE	SEQUENCE NUMBER
152076	7	36100	466	1616	.64	-0.09	.73			45	1006
152076	7	36100	466	1640	5.26	.06	5.20			45	1087
152076	7	35700	364	4259	.37	-0.02	.39			0	1088
152076	7	35700	323	4529	.44	.22	.22			0	1089
152076	7	35300	112	4667	.04	-0.02	.06			0	1090
152076	7	34850	411	3484	4.44	.10	4.34			0	1091
152076	7	34850	441	2726	4.72	-0.02	4.75			0	1092
152076	7	34850	466	2216	.07	.05	.02			0	1093
152076	7	34850	484	1677	.45	.05	.40			0	1094
152076	7	34850	505	1784	6.02	0	6.02			60	1095
152076	7	34850	508	1809	-1.13	-0.20	-0.75			60	1096
152076	7	34850	508	2080	7.10	.10	7.08			60	1097
152076	8	42660	482	1573	2.10	.07	2.03			0	2001
152076	8	42660	422	2769	7.55	.16	7.39			0	2002
152076	8	42060	140	10103	-0.54	.05	-0.63			0	2003
152076	8	42660	328	5709	3.67	0	3.67			0	2004
152076	8	42060	304	2640	3.36	.05	3.31			0	2005
152076	8	42060	426	1802	2.10	.06	2.10			0	2006
152076	8	42660	488	1803	4.22	.16	4.06			0	2007
152076	8	42660	302	3166	3.40	.11	3.27			0	2008
152076	8	42060	480	1230	.48	.06	.42			0	2009
152076	8	41660	406	1270	.35	.08	.27			0	2010
152076	8	41660	502	1574	4.44	.11	4.33			0	2011
152076	8	41660	470	4424	3.25	-0.01	3.26			0	2012
152076	8	41660	505	2274	3.20	.12	3.08			0	2013
152076	8	41660	505	1503	-0.12	.06	-0.16			0	2014
152076	8	41660	526	1563	3.49	-0.06	3.55			0	2015
152076	8	41660	406	1877	3.29	.02	3.26			0	2016
152076	8	41660	420	2672	3.87	.09	3.74			0	2017
152076	8	41660	308	3175	3.24	.01	3.23			0	2018
152076	8	41660	322	2653	3.24	.12	3.12			0	2019
152076	8	41660	418	3511	4.24	.14	4.10			0	2020
152076	8	41660	444	2160	3.52	.12	3.41			0	2021
152076	8	41660	506	1354	.20	.04	.14			0	2022
152076	8	41660	526	1320	3.77	.01	3.76			0	2023
152076	8	41660	517	1697	3.18	.10	3.08			0	2024
152076	8	40660	305	4450	.53	.05	.48			0	2025
152076	8	40660	506	2054	3.46	.10	3.36			0	2026
152076	8	40660	510	1663	5.01	.16	4.83			31	2027
152076	8	40660	507	1583	5.64	-0.20	5.42			31	2028
152076	8	40660	502	1624	-0.70	-0.11	-0.59			31	2029
152076	8	40660	502	1722	-1.65	.20	-1.93			31	2030
152076	8	40660	500	1877	-5.79	.20	-6.99			31	2031
152076	8	40660	502	1529	-0.03	.17	-0.20			31	2032
152076	8	40660	508	1820	-0.14	.09	-0.23			31	2033

## NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV, A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT-CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	8	40660	402	1591	4.47	-0.37	4.84		21		2034
153076	8	40660	477	1589	-0.11	.00	-0.16		31		2035
153076	8	40660	472	1715	-1.06	-0.36	-1.50		31		2036
153076	8	40660	466	1709	-1.78	-0.26	-1.52		31		2037
153076	8	40660	456	1702	4.49	.11	4.78		31		2038
153076	8	40660	400	1551	5.19	-0.22	5.47		31		2039
153076	8	40660	429	1576	-0.37	0	-0.37		31		2040
153076	8	40660	466	1716	-1.36	.29	-1.65		31		2041
153076	8	40660	490	1719	-0.43	.10	-0.53		31		2042
153076	8	40660	505	1576	3.40	-0.20	4.68		31		2043
153076	8	40660	500	1590	-0.74	.30	-1.04		31		2044
153076	8	40660	405	1657	-1.94	.36	-2.30		31		2045
153076	8	40660	490	1676	-0.87	.13	-1.00		31		2046
153076	8	40660	407	1682	.16	.20	-0.12		31		2047
153076	8	40660	471	2052	4.76	.13	4.63		31		2048
153076	8	40660	382	2218	.02	-0.01	.03		31		2049
153076	8	40660	331	2709	3.24	.12	3.12		0		2050
153076	8	39660	495	1783	7.17	-0.12	7.29		34		2051
153076	8	39660	466	1843	-0.20	.05	-0.29		34		2052
153076	8	39660	482	1785	6.51	.27	6.26		34		2053
153076	8	39660	471	1820	-0.07	.02	-0.10		34		2054
153076	8	39660	465	1789	-0.06	-0.12	.06		34		2055
153076	8	39660	464	1841	5.16	.13	5.03		34		2056
153076	8	39660	384	4099	2.42	.13	2.29		0		2057
153076	8	39660	370	4660	2.79	.06	2.73		0		2058
153076	8	39660	390	2715	4.24	.14	4.10		0		2059
153076	8	39660	474	1631	5.07	-0.04	5.11		34		2060
153076	8	39660	469	1681	-0.13	.03	-0.16		34		2061
153076	8	39660	473	1736	-0.46	-0.22	-0.23		34		2062
153076	8	39660	467	1654	6.05	-0.17	6.22		34		2063
153076	8	39660	482	1704	-0.08	-0.02	-0.06		34		2064
153076	8	39660	492	1712	-0.36	.06	-0.42		34		2065
153076	8	39660	492	1614	3.11	-0.23	3.34		34		2066
153076	8	39660	472	1627	5.72	-0.26	5.98		34		2067
153076	8	39660	475	1743	-0.13	-0.09	-0.04		34		2068
153076	8	39660	476	1715	-0.43	-0.06	-0.37		34		2069
153076	8	39660	475	1663	3.26	.03	3.23		34		2070
153076	8	39660	475	1783	4.76	.14	4.62		34		2071
153076	8	39660	395	2697	3.64	.09	3.55		0		2072
153076	8	39660	373	2669	2.89	.13	2.67		0		2073
153076	8	39260	451	2622	2.21	.12	2.09		0		2074
153076	8	39260	462	1846	5.26	-0.14	5.40		34		2075
153076	8	39260	482	1874	-0.40	.05	-0.45		34		2076
153076	8	39260	478	1671	-0.42	-0.17	-0.25		34		2077
153076	8	39260	473	1761	.45	.11	.34		34		2078
153076	8	39260	473	1761	.45	.11	.34		34		2079

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BUREAU NUMBER	FLIGHT NUMBER	GROSS HEIGHT	EQV. F/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFI/CG)	NZ AFI	MANUEVER CODE	SEQUENCE NUMBER
153076	A	39260	472	1853	5.12	-0.44	5.56			34	2000
153076	A	39260	468	1877	-0.50	.02	-0.52			34	2001
153076	A	39260	466	1807	-0.22	-0.19	-0.03				2002
153076	A	39260	460	1719	5.54	-0.26	5.82			34	2003
153076	A	39260	461	1798	-0.56	-0.35	-0.21			34	2004
153076	A	39260	460	1746	-0.29	-0.14	-0.15			34	2005
153076	A	39260	454	1856	4.04	.04	3.96			34	2006
153076	A	39260	347	4901	.44	.06	.38			34	2007
153076	A	39260	405	1938	5.02	-0.69	5.71			42	2008
153076	A	39260	469	2073	-1.50	-0.05	-1.45			42	2009
153076	A	39260	466	1868	5.46	-0.35	5.81			42	2010
153076	A	39260	461	1846	-0.66	-1.39	.73			42	2011
153076	A	39260	470	1926	-0.83	-0.22	-0.61			42	2012
153076	A	39260	489	2030	3.48	.05	3.43			42	2013
153076	A	39260	446	2263	3.39	.04	3.21			0	2014
153076	A	39260	410	2349	3.31	.04	3.27			0	2015
153076	A	39260	406	2607	3.44	.06	3.38			0	2016
153076	A	39260	446	2802	3.30	.05	3.21			0	2017
153076	A	39260	519	2329	.41	.01	.40			0	2018
153076	A	39260	500	2046	.46	-0.02	.48			0	2019
153076	A	39260	442	2973	3.12	.02	3.10			0	2100
153076	A	39260	427	2194	3.95	.06	3.79			0	2101
153076	A	39260	423	4469	2.37	.07	2.30			0	2102
153076	A	39260	461	2516	4.11	.06	4.05			0	2103
153076	A	39260	479	2003	.34	.03	.31			0	2104
153076	A	39260	401	1541	.44	.04	.40			0	2105
153076	A	39260	416	2782	.39	-0.02	.41			0	2106
153076	A	39260	409	2896	3.16	-0.04	3.20			0	2107
153076	A	39260	417	2643	3.25	.06	3.19			0	2108
153076	A	39260	424	4061	3.48	.16	3.32			0	2109
153076	A	39260	516	1880	6.20	-0.19	6.39			34	2110
153076	A	39260	505	1975	-0.73	.13	-0.86			34	2111
153076	A	39260	495	1880	-0.17	.07	-0.24			34	2112
153076	A	39260	456	1828	3.37	-0.07	3.44			34	2113
153076	A	39260	472	1883	5.91	-0.41	6.32			34	2114
153076	A	39260	463	1960	-0.08	-0.05	-0.03			34	2115
153076	A	39260	458	2943	-0.54	.09	-0.63			34	2116
153076	A	39260	443	1844	2.41	.07	2.34			34	2117
153076	A	39260	474	1514	6.19	.13	6.06			34	2118
153076	A	39260	473	2009	-0.50	-0.34	-0.16			34	2119
153076	A	39260	491	1544	.11	-0.07	.18			34	2120
153076	A	39260	462	2034	3.16	.06	3.10			0	2121
153076	A	39260	407	4034	3.62	.09	3.53			0	2122
153076	A	39260	301	2621	4.02	.05	3.93			0	2123
153076	A	39260	477	1505	5.70	-0.49	6.19			34	2124

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFY	MANUEVER CODE	SEQUENCE NUMBER
153076	8	37160	461	1960	-0.31	-0.21	-0.10			34	2125
153076	8	37160	471	1948	-0.59	-0.50	-0.01			34	2125
153076	8	37160	463	1923	2.78	-0.07	2.85			34	2126
153076	8	37160	453	1923	.39	0	.39			34	2127
153076	8	37160	445	1908	.35	.10	.25			34	2128
153076	8	37160	451	1997	5.14	-0.56	5.70			34	2129
153076	8	37160	448	1987	-0.07	-0.16	.09			34	2130
153076	8	37160	455	2064	-0.10	.08	-0.38			34	2131
153076	8	37160	467	1947	-0.15	0	-0.15			34	2132
153076	8	37160	469	1855	5.39	-0.16	5.55			34	2132
153076	8	37160	464	1929	-0.33	-0.41	.08			34	2133
153076	8	37160	465	1942	-0.22	-0.04	-0.18			34	2135
153076	8	37160	466	1988	4.11	.01	4.10			34	2136
153076	8	37160	357	2059	3.41	.12	3.28			0	2137
153076	8	36660	478	1960	5.60	-0.31	5.91			34	2138
153076	8	36660	465	2019	-0.63	-0.25	-0.28			34	2139
153076	8	36660	465	2064	-0.92	-0.03	-0.89			34	2139
153076	8	36660	476	2046	.23	-0.22	.45			34	2140
153076	8	36660	460	1948	5.49	-0.48	5.97			34	2141
153076	8	36660	458	2027	-0.39	-0.06	-0.45			34	2142
153076	8	36660	457	1982	.22	-0.06	.28			34	2143
153076	8	36660	458	1963	3.25	.15	3.10			34	2144
153076	8	36660	452	1972	3.76	-0.02	3.78			34	2145
153076	8	36160	358	2237	3.31	.13	3.20			0	2146
153076	8	36160	465	1985	4.91	-0.17	5.08			34	2147
153076	8	36160	459	2032	-0.60	.03	-0.63			34	2148
153076	8	36160	458	2003	-0.03	-0.08	.05			34	2149
153076	8	36160	471	2068	.40	.01	.39			34	2150
153076	8	36160	485	2171	5.83	-0.10	5.93			34	2151
153076	8	36160	485	2192	-0.18	-0.01	-0.17			34	2152
153076	8	36160	490	2182	.12	.11	.01			34	2153
153076	8	36160	490	2179	3.94	.07	3.87			34	2154
153076	8	36160	441	4022	2.49	.06	3.34			0	2155
153076	8	35660	411	5040	3.18	.05	3.13			0	2156
153076	8	35660	368	5065	.38	-0.01	.33			0	2157
153076	8	35660	346	5060	.42	.01	.41			0	2158
153076	8	34660	378	2152	.16	.02	.34			0	2159
153076	8	34660	380	2115	.66	.21	.45			0	2160
153076	8	34260	413	2146	.63	.24	.39			0	2161
153076	8	34260	421	2037	.48	.19	.29			0	2162
153076	8	34260	434	1966	.52	.09	.43			0	2163
153076	8	34260	444	2006	.48	.25	.23			0	2164
153076	8	34260	445	1969	.58	.21	.27			0	2165
153076	8	34260	450	1988	.52	.24	.28			0	2166
153076	8	34260	449	1975	.32	.17	.15			0	2167

# ACCELEROMETER DATA

A/C SER. NO. 143076 FLT. AC. 2 DATE 5/28/70 FLT. TIME .75HRS.

CG ACCEL. 6.00 7.00 8.50 10.00

COUNTS BEFORE FLT 8202 9002 7626 5774

COUNTS AFTER FLT 8326 9819 7628 5774

DIFFERENCE 23 17 2 0

CG ACCEL. 14 1 0 0

FORE ACCEL. 7 1 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.00 THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2028	5.92	5.64	
2051	7.25	7.17	
2054	6.26	6.53	
2064	6.22	6.05	
2063	5.98	5.72	
2083	5.82	5.54	
2090	5.81	5.46	
2110	6.29	6.20	
2114	6.32	5.81	
2118	6.06	6.19	
2124	6.19	5.70	
2128	5.91	5.60	
2141	5.57	5.49	
2151	5.92	5.83	

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCSE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AET	MANUEVER CCODE	SEQUENCE NUMBER
153076	8	34260	453	1969	-0.01	.56	-0.57			0	2168
153076	8	34260	450	1942	.47	.27	.20			0	2169
153076	8	34260	415	2317	3.03	-0.04	3.07			0	2170
153076	8	34260	339	2894	3.14	-0.17	3.31			0	2171
153076	8	44958	388	181	3.74	.19	3.55			0	2003
153076	8	44958	331	742	.23	.02	.21			0	2004
153076	8	43950	367	519	.59	-0.02	.61			0	2005
153076	8	43950	363	595	.14	.12	.02			0	2006
153076	8	43950	391	582	.15	.04	.11			0	2007
153076	8	43450	391	784	3.79	.09	3.69			0	2008
153076	8	43100	460	-332	3.15	.21	2.94			0	2009
153076	8	43100	424	731	3.37	.06	3.31			0	2010
153076	8	43100	405	629	3.22	.09	3.13			0	2011
153076	8	43100	380	738	3.46	.04	3.42			0	2012
153076	8	43100	363	824	3.09	.12	2.97			0	2013
153076	8	43100	350	845	3.02	.11	2.91			0	2014
153076	8	43100	346	834	3.06	.07	2.99			0	2015
153076	8	43100	432	396	3.47	.11	3.36			0	2016
153076	8	43100	428	229	3.50	.14	3.36			0	2017
153076	8	42800	482	-343	4.12	-0.11	4.23			0	2018
153076	8	42800	481	-332	-0.46	0	-0.46			0	2019
153076	8	42800	500	-345	.25	.05	.20			0	2020
153076	8	42800	503	-368	.39	.04	.26			0	2021
153076	8	42800	498	-247	.14	.03	.11			0	2022
153076	8	42800	513	-342	3.21	-0.01	3.22			0	2023
153076	8	42800	501	-10	4.21	.23	3.96			0	2024
153076	8	42800	480	577	3.00	.10	2.90			0	2025
153076	8	42800	469	1102	3.53	.16	3.37			0	2026
153076	8	427	427	3251	.15	.03	.12			0	2027
153076	8	42800	385	5092	3.49	.13	3.36			0	2028
153076	8	42800	361	564	3.09	.16	2.93			0	2029
153076	8	42800	370	5630	3.01	.07	2.94			0	2030
153076	8	42800	389	5299	3.02	.12	2.90			0	2031
153076	8	42800	522	1734	4.18	.03	4.16			0	2032
153076	8	42800	526	1047	3.12	-0.02	3.14			0	2033
153076	8	42800	528	435	3.70	.04	3.66			0	2034
153076	8	42800	490	-342	.26	.04	.22			0	2035
153076	8	42800	495	-330	.29	.04	.25			0	2036
153076	8	42800	491	604	4.76	.16	4.60			0	2037
153076	8	42800	491	1023	.06	.05	.01			0	2038
153076	8	42800	421	1206	.03	.02	.01			0	2039
153076	8	42800	416	1162	-0.29	.06	-0.35			0	2040
153076	8	42800	418	582	.41	.03	.38			0	2041
153076	8	42800	418	1004	3.05	-0.18	3.23			0	2042
153076	8	42800	387	1082	3.09	-0.06	3.15			0	2043

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	9	42200	377	1256	3.44	.03	3.41		0		2044
153076	9	42200	355	1490	3.14	.04	3.14		0		2045
153076	9	42200	429	1281	4.56	.12	4.43		0		2046
153076	9	42200	446	514	4.36	.10	4.26		0		2047
153076	9	41450	505	-413	4.64	-0.50	5.22		34		2048
153076	9	41450	501	-320	-0.43	.03	-0.46		34		2049
153076	9	41450	501	-203	-2.29	.49	-2.78		34		2050
153076	9	41450	496	-226	.54	.17	.37		34		2051
153076	9	41450	479	-189	5.71	.05	5.66		34		2052
153076	9	41450	474	-296	-0.43	.12	-0.55		34		2053
153076	9	41450	466	-243	2.91	.08	2.93		34		2054
153076	9	41450	464	-106	5.77	.12	5.64		34		2055
153076	9	41450	412	1127	3.68	.06	3.62		34		2056
153076	9	41450	402	1748	4.53	.14	4.39		34		2057
153076	9	41450	503	-189	5.47	.10	5.37		34		2058
153076	9	41450	466	-321	-1.02	-1.44	-.42		34		2059
153076	9	41450	500	-129	-0.33	.40	-0.73		34		2060
153076	9	41450	521	-129	7.35	-0.46	7.81		34		2061
153076	9	41450	517	-59	-0.59	.06	-0.65		34		2062
153076	9	41450	574	-249	3.62	-0.02	3.64		34		2063
153076	9	41450	574	-46	6.61	.18	6.43		34		2064
153076	9	41450	501	409	3.09	.15	2.94		34		2065
153076	9	41450	482	1070	4.11	.10	4.01		34		2066
153076	9	41450	431	2171	4.02	.14	3.88		34		2067
153076	9	41450	374	3001	.24	.16	.08		34		2068
153076	9	41450	387	4315	.35	-0.03	.38		0		2069
153076	9	41450	548	5405	.27	.01	.26		0		2070
153076	9	40550	548	-248	5.07	-0.43	5.50		42		2071
153076	9	40550	547	-213	-0.31	.04	-0.35		42		2072
153076	9	40550	552	-180	-1.39	-0.10	-1.29		42		2073
153076	9	40550	552	-180	-0.22	.25	-0.47		42		2074
153076	9	40550	560	-227	6.50	.13	6.37		42		2075
153076	9	40550	460	652	.23	.01	.09		42		2076
153076	9	40550	438	1216	3.85	.14	3.84		42		2077
153076	9	40550	435	1164	2.94	.15	2.89		0		2078
153076	9	40150	447	-318	.52	.12	.40		0		2079
153076	9	40150	479	-176	4.82	-0.83	5.65		42		2080
153076	9	40150	479	-201	-1.01	.32	-.32		42		2081
153076	9	40150	477	12	-0.07	.27	-0.34		42		2082
153076	9	40150	480	24	5.12	.20	4.92		42		2083
153076	9	40150	475	374	4.32	.13	4.19		42		2084
153076	9	40150	450	1374	4.16	.08	4.08		42		2085
153076	9	40150	416	2754	4.24	.12	4.11		42		2086
153076	9	40150	447	664	3.76	.10	3.66		0		2087
153076	9	40150	532	-249	.28	.16	.12		0		2088





# ACCELEROMETER DATA

A/C SER. NO. 153076 FLT. NO. 9 DATE 5/28/70 FLT. TIME 0704RS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 8326 9819 7628 5774

COUNTS AFTER FLT 8342 5825 7625 5774

DIFFERENCE 16 10 1 0

CC ACCEL. 10 2 0 0

FCRE ACCEL. 8 2 0 0

## INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2052	5.66	5.71	
2058	5.37	5.47	
2161	7.21	7.35	
2064	6.42	6.61	
2075	6.37	6.50	
2080	6.24	5.98	
2095	6.60	6.02	
2115	6.24	5.97	
2134	7.95	7.42	
2135	5.84	5.85	
2144	6.08	5.59	
2151	5.94	5.47	

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	9	37600	532	-166	7.42	-0.53	7.95			31	2134
153076	9	37600	538	-59	-0.32	-0.07	-0.25			31	2135
153076	9	37600	538	1	-0.06	-0.20	-0.14			31	2136
153076	9	37600	542	1	-0.32	.26	-0.64			31	2137
153076	9	37600	546	-107	.73	.04	.69			31	2138
153076	9	37600	546	-10	5.95	.11	5.84			31	2139
153076	9	37200	451	181	3.34	-0.01	3.35			0	2140
153076	9	37200	448	-46	2.11	-0.06	3.17			0	2141
153076	9	37200	448	-213	.52	.05	.43			0	2142
153076	9	37200	507	-202	.43	.07	.36			0	2143
153076	9	37200	513	-106	5.59	-0.49	6.08			0	2144
153076	9	37200	505	61	-0.33	.13	-0.46			0	2145
153076	9	37200	514	105	5.27	.12	5.14			0	2146
153076	9	37200	506	399	4.65	.14	4.51			0	2147
153076	9	37200	429	328	3.42	-0.02	3.44			0	2148
153076	9	37200	385	426	3.07	-0.06	3.13			0	2149
153076	9	37200	511	1206	3.41	.12	3.28			0	2150
153076	9	37200	509	-129	5.47	-0.47	5.04			0	2151
153076	9	36750	515	-59	-0.54	.11	-0.65			0	2152
153076	9	36750	527	-58	.04	-0.07	.11			0	2153
153076	9	36750	540	-107	5.55	.05	5.46			0	2154
153076	9	36450	467	2736	3.37	.21	3.16			0	2155
153076	9	36450	484	2013	3.29	.04	3.25			0	2156
153076	9	36450	496	1808	3.14	.14	3.00			0	2157
153076	9	36450	522	-118	3.33	.11	3.22			0	2158
153076	9	36450	484	475	5.42	.17	5.25			46	2159
153076	9	36450	398	2603	4.44	.02	4.36			46	2160
153076	9	35850	413	181	3.86	.05	3.81			0	2161
153076	9	35850	376	2828	3.49	.05	3.40			0	2162
153076	9	35850	376	2448	3.12	.12	2.99			0	2163
153076	9	35850	344	3244	3.18	.10	3.08			0	2164
153076	9	34450	398	-250	3.21	-0.02	3.24			0	2165
153076	9	34450	380	-87	3.23	.02	3.21			0	2166
153076	9	34450	370	217	3.50	-0.01	3.51			0	2167
153076	10	42870	272	809	.62	.16	.46			0	1001
153076	10	42170	270	789	.55	-0.01	.56			0	1002
153076	10	41870	512	213	.47	.06	.41			37	1003
153076	10	41870	523	214	3.37	-0.53	3.45			37	1004
153076	10	41870	518	266	-1.32	.32	-1.65			37	1005
153076	10	40870	550	238	6.09	.02	6.07			27	1006
153076	10	40870	512	225	4.99	-0.37	5.36			31	1007
153076	10	40870	516	772	-1.35	.08	-1.43			31	1008
153076	10	40870	511	400	5.50	.12	5.37			31	1009
153076	10	40870	427	900	4.25	.10	4.15			31	1010
153076	10	40870	748	783	3.52	.12	3.40			0	1011

# ACCELEROMETER DATA

A/C SER. NO. 153076 FLT. AC. 10 DATE 5/23/70 FLT. TIME 1.07HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 8298 5800 7626 5774

COUNTS AFTER FLT 8303 5802 7626 5774

DIFFERENCE 5 2 0 0

CG ACCEL. 5 1 0 0

FCRE ACCEL. 4 1 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FCRE ACCEL. AFT ACCEL.

1006	6.07	6.09	
1012	6.47	6.73	
1017	6.16	5.96	
1025	5.06	5.64	
1049	7.28	7.47	

## NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	AZ FORE	AZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	10	40670	521	285	6.73	.26	6.47			43	1012
153076	10	40670	511	346	.54	.26	.32			43	1014
153076	10	40670	518	250	.66	-.029	.95			43	1015
153076	10	40670	508	370	5.15	-.005	5.20			43	1016
153076	10	40120	517	334	5.96	-.020	6.16			0	1017
153076	10	40120	515	292	-1.07	-.077	-0.30			0	1018
153076	10	40120	525	321	-0.44	-.011	-0.33			0	1019
153076	10	40120	527	266	3.41	.04	3.77			0	1020
153076	10	40120	537	309	4.99	.02	4.97			0	1021
153076	10	39470	352	448	.19	.04	.15			0	1022
153076	10	39470	343	436	.14	.04	.15			33	1023
153076	10	39470	470	262	.39	.02	.37			33	1024
153076	10	39470	483	473	5.64	-.022	5.86			33	1025
153076	10	39470	496	536	-1.32	-.017	-1.15			33	1026
153076	10	39470	491	515	-1.26	-.015	-1.11			33	1027
153076	10	39470	506	488	5.74	.16	5.58			33	1028
153076	10	39470	408	1205	4.31	.08	4.23			33	1029
153076	10	39470	372	1466	3.86	.10	3.76			33	1030
153076	10	39220	396	1033	.36	-.004	.44			0	1031
153076	10	39220	374	1240	3.89	.10	3.79			0	1032
153076	10	39220	407	344	3.06	-.094	4.00			45	1033
153076	10	39220	505	413	-1.97	.03	-1.96			45	1034
153076	10	39220	408	356	-1.64	.20	-1.84			45	1035
153076	10	39220	483	209	-1.51	-.009	-1.42			45	1036
153076	10	39220	478	544	5.28	-.014	5.42			45	1037
153076	10	38770	376	389	.25	.08	.17			0	1038
153076	10	38770	418	754	.40	.10	.30			0	1039
153076	10	38770	427	594	.22	-.002	.24			0	1040
153076	10	38270	282	1045	.54	.05	.49			0	1041
153076	10	35270	344	6015	3.35	.05	3.30			0	1042
153076	10	35270	432	5510	.46	-.003	.49			0	1043
153076	10	35270	431	5623	3.68	.01	3.67			0	1044
153076	10	35270	327	5097	3.62	.13	3.49			0	1045
153076	10	34270	255	1246	.45	-.007	.52			0	1046
153076	10	34270	207	1932	.15	.04	.11			0	1047
153076	10	33270	328	1870	.40	.01	.39			0	1048
153076	10	42553	425	657	7.47	.19	7.28			0	1049
153076	11	44750	234	1593	.15	0	.15			0	1001
153076	11	44750	408	1353	.24	.01	.23			0	1002
153076	11	44750	379	1828	.36	.03	.33			0	1003
153076	11	44750	382	1893	.45	.11	.34			0	1004
153076	11	44750	379	2025	.30	.01	.29			0	1005
153076	11	44750	358	2225	.50	.08	.42			0	1006
153076	11	44750	352	2273	.51	.09	.42			0	1007
153076	11	44250	297	4178	.28	-.006	.34			0	1008

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCPE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	11	43700	245	5667	26	.07	.23			0	1009
153076	11	43700	445	2587	2.92	-0.10	3.11			0	1010
153076	11	43700	443	-57	.36	-0.03	.39			0	1011
153076	11	43700	443	-81	.52	.15	.37			0	1012
153076	11	43700	427	475	3.42	.16	3.26			0	1013
153076	11	43700	411	1162	3.64	-0.10	3.74			0	1014
153076	11	43700	360	1802	3.42	.10	3.32			0	1015
153076	11	43700	172	8179	-0.62	.05	-0.67			0	1016
153076	11	43700	366	3175	4.13	.04	4.09			49	1017
153076	11	43700	374	1822	3.57	.05	3.52			49	1018
153076	11	43200	419	396	4.84	.15	4.69			49	1019
153076	11	43700	147	6988	.37	-0.03	.40			0	1020
153076	11	42750	477	-104	4.51	.08	4.43			30	1021
153076	11	42750	444	36	3.66	-0.15	3.81			30	1022
153076	11	42750	488	873	5.62	.27	5.35			30	1023
153076	11	42750	440	2898	-1.17	-1.11	-0.06			30	1024
153076	11	42750	352	7379	-1.75	.31	-1.66			30	1025
153076	11	42750	373	9696	.16	-0.10	.26			30	1026
153076	11	42750	344	8405	3.88	.06	3.82			30	1027
153076	11	42450	380	2115	3.15	.05	3.10			0	1028
153076	11	42450	404	1777	3.45	.05	3.36			0	1029
153076	11	42450	415	1446	3.54	.15	3.41			0	1030
153076	11	42450	435	791	3.74	.12	3.62			0	1031
153076	11	42450	477	-198	.16	.03	.13			0	1032
153076	11	42450	441	-198	-0.15	.10	-0.25			0	1033
153076	11	42450	446	-200	.30	-0.05	.35			0	1034
153076	11	42450	483	-293	.88	.12	.76			0	1035
153076	11	42450	467	60	5.35	.12	5.25			38	1036
153076	11	42450	109	5869	.17	.12	.16			38	1037
153076	11	42450	101	6263	.05	.02	.03			38	1038
153076	11	42450	262	5080	-0.63	.25	-0.92			38	1039
153076	11	42450	470	274	4.36	.16	4.20			38	1040
153076	11	42450	450	-283	1.09	.20	.89			38	1041
153076	11	41000	518	738	5.30	.01	5.29			38	1042
153076	11	41000	515	12	4.13	-0.02	4.15			37	1043
153076	11	41000	489	-315	4.01	-0.12	4.13			37	1044
153076	11	41000	489	-315	.19	0	.19			37	1045
153076	11	41000	488	-329	.20	.04	.16			37	1046
153076	11	41000	492	-364	.56	.17	.39			37	1047
153076	11	41000	492	-259	4.51	-0.22	4.74			37	1048
153076	11	41000	500	-223	-1.22	.18	-1.40			37	1049
153076	11	41000	505	-199	-1.93	.16	-2.09			37	1050
153076	11	41000	511	-283	-0.09	.21	-0.30			37	1051
153076	11	41000	510	12	6.04	.18	5.90			37	1052
153076	11	41000	428	1682	3.64	.05	3.59			37	1053
153076	11	41000	428	1682						37	1054

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRF-CG)	NZ CG	AZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	11	41500	402	2625	3.48	.12	3.36			27	1855
153076	11	41500	302	5297	.14	-0.10	.24			27	1856
153076	11	41500	202	7647	.25	-0.05	.30			0	1857
153076	11	41400	528	896	4.07	.02	4.05			21	1858
153076	11	41400	546	13	3.51	.02	3.49			21	1859
153076	11	41400	528	-283	5.43	-0.58	5.99			21	1860
153076	11	41400	541	-106	-2.14	.21	-2.35			21	1861
153076	11	41400	542	-83	-1.49	.15	-1.64			21	1862
153076	11	41400	546	-93	.29	-0.02	.31			21	1863
153076	11	41400	530	72	6.51	.16	6.35			21	1864
153076	11	41400	479	5593	3.77	.06	3.71			21	1865
153076	11	41400	263	1100	.26	0	.26			21	1866
153076	11	41400	222	6664	-0.10	.02	-0.18			0	1867
153076	11	41400	200	7155	-0.29	-0.01	-0.28			0	1868
153076	11	41400	201	7680	.18	.02	.16			0	1869
153076	11	40950	560	-81	3.12	.03	3.09			0	1870
153076	11	40950	515	-240	.28	.02	.26			0	1871
153076	11	40950	521	-200	6.49	-0.33	6.82			42	1872
153076	11	40950	522	-222	-1.29	-1.75	.46			42	1873
153076	11	40950	516	36	-1.72	-0.15	-1.57			42	1874
153076	11	40950	512	121	5.73	.12	5.61			42	1875
153076	11	40950	242	7233	.20	-0.04	.24			0	1876
153076	11	40950	480	-58	3.12	-0.01	3.13			0	1877
153076	11	41550	482	-234	5.73	-0.27	6.00			24	1878
153076	11	41550	479	-255	-0.41	-0.08	-0.33			24	1879
153076	11	41550	485	-129	-1.11	.02	-1.13			24	1880
153076	11	41550	488	-176	-0.83	.18	-1.01			24	1881
153076	11	41550	510	-212	6.03	.01	6.02			24	1882
153076	11	41550	462	36	3.98	.03	3.95			24	1883
153076	11	41550	421	519	3.18	-0.01	3.19			0	1884
153076	11	41550	223	4546	-0.15	0	-0.15			0	1885
153076	11	31500	442	502	3.88	.10	3.78			0	1886
153076	11	31500	416	-525	.42	.02	.40			0	1887
153076	11	31500	420	-11	5.14	.10	5.04			45	1888
153076	11	31500	186	4537	-0.42	.12	-0.54			45	1889
153076	11	31500	140	6055	-0.58	.02	-0.60			49	1890
153076	11	31500	264	3897	-0.10	.02	.21			49	1891
153076	11	31500	384	781	4.45	.13	4.32			49	1892
153076	11	31500	386	333	3.98	.14	3.84			49	1893
153076	11	31500	376	466	4.25	.13	4.12			49	1894
153076	11	31500	282	3081	.06	-0.07	.13			0	1895
153076	11	31500	266	3546	.27	-0.02	.29			0	1896
153076	11	31500	410	-246	4.05	.04	4.01			0	1897
153076	11	31500	393	2165	3.24	.03	3.21			0	1898
153076	11	31500	380	2493	3.75	.07	3.68			0	1899

# NAOC-72021 VT

BUREAU NUMBER	FLIGHT ALMPER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	AZ FORE	AZ DIFF. (FORE-CG)	AZ CG	AZ DIFF. (AFT-CG)	AZ AFT	MANUEVER CCOE	SEQUENCE NUMBER
153076	11	39000	353	2505	2.56	.11	3.45			0	1180
153076	11	39000	372	1890	3.37	.11	3.26			0	1181
153076	11	39000	453	271	.48	.11	.37			0	1182
153076	11	38450	415	2396	.27	.06	.21			0	1183
153076	11	38450	308	5421	-0.19	-0.01	-0.18			0	1184
153076	11	38450	286	5687	.38	-0.02	.10			0	1185
153076	11	38450	263	6021	.30	0	.30			0	1186
153076	11	38450	458	-106	2.31	-0.16	3.47			0	1187
153076	11	38450	438	274	2.66	.06	3.60			0	1188
153076	11	38450	410	1005	2.36	0	3.36			0	1189
153076	11	38450	305	1648	2.31	-0.09	3.40			0	1190
153076	11	38450	170	7635	.38	.05	.33			0	1191
153076	11	38450	147	8299	.20	.04	.16			0	1192
153076	11	38450	359	1557	2.20	-0.01	3.21			0	1193
153076	11	38450	303	2327	2.22	-0.05	3.27			0	1194
153076	11	38450	424	284	3.37	-0.11	3.48			0	1195
153076	11	38450	437	372	3.13	-0.08	3.21			0	1196
153076	11	38450	205	4579	.19	0	.19			0	1197
153076	11	38450	231	7707	.42	.06	.36			0	1198
153076	11	38450	405	2091	2.86	-0.22	3.08			0	1199
153076	11	38450	444	1376	2.79	-0.12	2.91			0	1200
153076	11	37550	404	223	2.94	-0.16	3.10			0	1201
153076	11	37550	305	2079	-0.50	.08	-0.58			0	1202
153076	11	37550	309	2240	-0.25	.03	-0.28			0	1203
153076	11	37550	316	2303	-0.10	.08	-0.18			0	1204
153076	11	37550	323	2610	2.77	.14	3.63			0	1205
153076	11	37550	335	3162	2.67	.02	2.59			0	1206
153076	11	37550	372	2012	2.79	.17	3.62			0	1207
153076	11	37550	304	1620	2.75	.12	3.63			0	1208
153076	11	37550	427	695	2.92	.11	2.81			0	1209
153076	11	37550	527	-117	2.94	-0.25	3.19			0	1210
153076	11	37550	524	-400	.32	-0.02	.34			0	1211
153076	11	37550	512	-425	-2.08	.42	-2.51			45	1212
153076	11	37550	529	-260	-2.47	.06	-2.53			45	1213
153076	11	37550	537	-34	-2.64	-0.09	-2.55			45	1214
153076	11	37550	544	156	-1.72	-0.20	-1.52			45	1215
153076	11	37550	543	192	-0.20	.05	-0.29			45	1216
153076	11	37550	543	275	5.41	.19	5.31			45	1217
153076	11	37550	511	796	2.67	.04	3.63			0	1218
153076	11	37000	439	1842	2.08	-0.05	3.17			0	1219
153076	11	37000	427	1862	3.41	.01	3.40			0	1220
153076	11	37000	415	1833	4.17	.05	4.12			0	1221
153076	11	37000	410	1412	3.67	-0.07	3.74			0	1222
153076	11	37000	414	1027	3.24	.05	3.29			0	1223



# ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.NO. 11 DATE 6/ 2/70 FLT.TIME .80HRS.

CG ACCEL. 6.00 7.00 8.50 10.00

COUNTS BEFORE FLT 2342 9832 7629 5774

COUNTS AFTER FLT 2354 5835 7625 5774

DIFFERENCE 6 2 0 0

CG ACCEL. 6 1 0 0

FCRE ACCEL. 4 0 0 0

## INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FCRE ACCEL. AFT ACCEL.

1053	5.90	6.00	
1060	5.99	5.43	
1064	6.35	6.51	
1072	6.82	6.49	
1078	6.00	5.73	
1082	6.02	6.03	

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE.	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	11	37000	411	296	2.31	-0.09	3.40			0	1147
153076	11	37000	411	289	3.57	.02	3.55			0	1148
153076	11	37000	408	169	3.37	-0.02	3.40			0	1149
153076	11	37000	420	262	-0.05	-0.02	-0.15			0	1150
153076	11	36500	312	1595	.37	-0.04	.41			0	1151
153076	11	36000	272	1403	.14	.11	.03			0	1152
153076	11	35500	277	1447	.29	-0.01	.30			0	1153
153076	11	35000	278	1481	.34	.02	.32			0	1154
153076	11	35000	422	-82	.27	-0.05	.32			0	1155
153076	11	35000	427	-294	.62	.10	.52			0	1156
153076	11	35000	415	-194	3.18	-0.11	3.29			0	1157
153076	11	34500	219	479	.41	.04	.37			0	1158
153076	12	4552	255	2204	.28	.02	.26			0	2001
153076	12	4552	250	2146	.33	.01	.32			0	2002
153076	12	4552	268	2002	0	.07	-0.07			0	2003
153076	12	4552	283	2159	.37	.04	.33			0	2004
153076	12	43400	357	5269	.35	.11	.24			0	2005
153076	12	41780	447	1155	3.15	.14	3.01			0	2006
153076	12	41780	413	2403	3.17	-0.06	3.23			0	2007
153076	12	41780	381	2446	3.05	-0.15	3.20			0	2008
153076	12	41780	142	6423	-0.43	.08	-0.49			0	2009
153076	12	41780	393	4743	4.24	.06	4.16			0	2010
153076	12	41780	406	7578	4.20	.09	4.11			0	2011
153076	12	41780	419	7759	4.32	.11	4.21			0	2012
153076	12	41780	421	2927	4.25	.06	4.19			0	2013
153076	12	41780	429	1877	3.71	.02	3.69			0	2014
153076	12	41780	457	1347	5.35	.06	5.29			0	2015
153076	12	41780	441	1424	4.31	.17	4.14			0	2016
153076	12	41780	241	7565	.20	.01	.19			0	2017
153076	12	41780	244	8527	.38	.03	.35			0	2018
153076	12	41780	422	5801	3.64	.14	3.50			0	2019
153076	12	41780	407	4166	3.66	.18	3.48			0	2020
153076	12	41780	580	1188	3.24	.01	3.27			0	2021
153076	12	41780	580	1479	6.04	.10	5.94			0	2022
153076	12	41780	356	10157	-1.07	.35	-1.42			J	2023
153076	12	41780	308	11117	0	.05	-0.05			0	2024
153076	12	41780	324	10523	3.17	.14	3.03			0	2025
153076	12	41780	300	5010	3.46	-0.05	3.41			0	2026
153076	12	40880	350	6032	3.17	.02	3.10			0	2027
153076	12	40880	463	1124	3.32	.04	3.28			0	2028
153076	12	40880	491	761	.48	.10	.38			0	2029
153076	12	40880	492	1116	5.47	.02	5.45			0	2030
153076	12	40880	274	837	.45	.01	.44			0	2031
153076	12	40880	257	7628	-0.25	-0.14	-0.07			0	2032
153076	12	40880	290	6829	.11	.31	-0.20			0	2033

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (APT/CG)	NZ APT	MANUEVER CODE	SEQUENCE NUMBER
153076	12	40080	466	1087	5.18	.12	5.00			0	2034
153076	12	40080	409	2875	4.11	.31	3.80			0	2035
153076	12	40430	167	9244	.26	.04	.22			0	2036
153076	12	40430	359	5453	-0.21	-0.16	-0.05			0	2037
153076	12	40430	462	1157	4.58	.01	4.57			0	2038
153076	12	40430	492	544	4.63	-0.02	4.65			0	2039
153076	12	40430	401	510	-0.39	-0.13	-0.26			0	2040
153076	12	40430	510	584	-1.54	.14	-1.68			0	2041
153076	12	40430	512	849	-0.14	.44	-0.58			0	2042
153076	12	40430	520	559	6.29	.14	6.15			0	2043
153076	12	40430	472	2707	4.39	.07	4.32			0	2044
153076	12	40430	204	8406	-0.09	-0.04	-0.05			0	2045
153076	12	39080	508	408	.36	.06	.30			0	2046
153076	12	39080	514	544	4.72	-0.20	5.02			0	2047
153076	12	39080	514	570	-0.64	.12	-0.82			0	2048
153076	12	39080	518	1044	-0.94	.27	-1.25			0	2049
153076	12	39080	524	1032	-0.57	.38	-0.95			0	2050
153076	12	39080	525	555	-0.15	.09	-0.24			0	2051
153076	12	39080	542	555	6.47	.05	6.38			0	2052
153076	12	39080	198	5149	-0.02	.07	-0.05			0	2053
153076	12	39080	195	5406	.32	.06	.26			0	2054
153076	12	39080	204	5261	.19	.07	.12			0	2055
153076	12	39080	447	2836	3.32	-0.09	3.41			0	2056
153076	12	39080	471	1895	3.79	-0.03	3.82			0	2057
153076	12	39080	472	1688	3.88	.06	3.82			0	2058
153076	12	39080	474	818	.37	.06	.31			0	2059
153076	12	39080	405	1167	4.90	-0.14	5.08			0	2060
153076	12	39080	492	1470	-1.21	.80	-2.01			0	2061
153076	12	39080	502	1563	5.72	.07	5.65			0	2062
153076	12	39080	403	1518	4.34	.11	4.23			0	2063
153076	12	39080	401	1600	4.44	.02	4.42			0	2064
153076	12	39080	493	703	4.45	.14	4.31			0	2065
153076	12	39080	485	1847	4.30	.0	4.30			0	2066
153076	12	39080	474	2107	4.31	.01	4.30			0	2067
153076	12	39080	466	2227	3.88	-0.07	3.75			0	2068
153076	12	39180	402	1937	3.82	-0.03	3.85			0	2069
153076	12	39180	502	1299	4.24	.01	4.23			0	2070
153076	12	39180	517	761	.58	.22	.36			0	2071
153076	12	39180	517	633	5.98	-0.29	6.27			0	2072
153076	12	39180	517	535	.22	.24	-0.02			0	2073
153076	12	39180	523	1072	-0.61	.06	-0.67			0	2074
153076	12	39180	524	872	.29	-0.13	.42			0	2075
153076	12	39180	528	737	3.41	-0.01	3.42			0	2076
153076	12	39180	526	506	6.49	.13	6.36			0	2077
153076	12	39180	368	5165	.15	.07	.08			0	2078

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	12	38330	518	660	.19	.06	.13			0	2079
153076	12	38330	518	662	.47	.21	.26			0	2080
153076	12	38330	525	620	4.73	.10	4.63			0	2081
153076	12	38330	512	1260	5.47	.22	5.25			0	2082
153076	12	38330	254	663	.09	.15	-0.06			0	2083
153076	12	38330	264	605	-0.58	.15	-0.73			0	2084
153076	12	38330	360	5745	4.98	.03	4.95			0	2085
153076	12	38330	425	1551	5.29	.12	5.17			0	2086
153076	12	38330	210	7570	-0.10	.06	-0.16			0	2087
153076	12	38330	460	4058	3.26	.02	3.24			0	2088
153076	12	38330	527	2582	3.89	.06	3.83			0	2089
153076	12	38330	505	604	4.39	-0.04	4.43			0	2090
153076	12	38330	522	627	5.82	-0.07	5.89			0	2091
153076	12	38330	510	7.2	4.67	.11	4.56			0	2092
153076	12	38330	515	1190	6.18	.04	6.14			0	2093
153076	12	38330	450	2219	4.11	.06	4.05			0	2094
153076	12	38330	460	2274	4.47	.04	4.07			0	2095
153076	12	38330	477	1530	.40	.09	.31			0	2096
153076	12	38330	490	1698	3.98	.02	3.96			0	2097
153076	12	38330	404	2780	5.89	.02	5.78			0	2098
153076	12	38330	343	2248	3.80	-0.04	3.84			0	2099
153076	12	38330	413	1067	3.15	-1.10	3.25			0	2100
153076	12	38330	313	5510	.34	.01	.33			0	2101
153076	12	38330	515	1093	3.00	-0.28	3.28			0	2102
153076	12	38330	508	1155	3.51	-0.06	3.57			0	2103
153076	12	38330	504	1266	3.45	-0.15	3.60			0	2104
153076	12	38330	405	1716	2.75	-0.26	4.01			0	2105
153076	12	38330	488	1820	3.39	-0.18	3.57			0	2106
153076	12	38330	470	2263	3.42	-0.10	3.52			0	2107
153076	12	38330	455	5317	3.35	-0.11	3.46			0	2108
153076	12	38330	441	2254	3.46	.01	3.45			0	2109
153076	12	38330	430	7624	3.42	-0.04	3.46			0	2110
153076	12	38330	431	3595	3.49	.03	3.46			0	2111
153076	12	38330	150	10711	.33	.08	.25			0	2112
153076	12	38330	145	10833	.73	.04	.29			0	2113
153076	12	38330	376	5490	3.22	-0.07	3.25			0	2114
153076	12	38330	388	4786	3.56	-0.04	3.60			0	2115
153076	12	38330	407	4126	3.60	-0.13	3.73			0	2116
153076	12	38330	425	3225	3.34	-0.17	3.51			0	2117
153076	12	38330	443	2143	3.21	-0.21	3.42			0	2118
153076	12	38330	442	1839	3.30	-0.14	3.44			0	2119
153076	12	38330	443	1611	3.02	-0.26	3.28			0	2120
153076	12	38330	321	2691	.17	.22	-0.05			0	2121
153076	12	38330	297	4512	.49	.12	.37			0	2122
153076	12	38330	292	4664	.54	.08	.46			0	2123

A/C SFF.AC. 153076 FLT.AC. 12 DATE 6/ 3/70 FLT.TIME :.12PRS.

6.00 7.00 8.50 10.00

COUNTS BEFORE FLT 8354 9835 7625 5774

COUNTS AFTER FLT 8364 5837 7625 5774

DIFFERENCE 10 2 0 0

CG ACCEL. 9 0 0 0

FORE ACCEL. 9 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.00 THRESHOLD FOR THIS FLIGHT

A-58

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SEC. AC. CG ACCEL. FORE ACCEL. AFT ACCEL.

2022	5.94	6.04	
2043	6.15	6.29	
2052	6.30	6.43	
2072	6.27	5.98	
2077	6.36	6.49	
2091	5.89	5.82	
2092	6.14	6.18	
2098	5.78	5.80	
2150	6.04	5.75	
2159	6.33	6.55	

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153075	12	37030	321	3977	.74	-0.05	.79			0	2124
153075	12	36630	312	4044	.28	.06	.22			0	2125
153075	12	36630	310	4236	.32	.05	.27			0	2126
153075	12	36630	405	3666	4.10	.08	4.02			0	2127
153075	12	36630	424	3018	4.25	.10	4.15			0	2128
153075	12	36630	474	1613	3.87	.01	3.86			0	2129
153075	12	36630	513	762	2.30	.12	3.27			0	2130
153075	12	36630	530	569	3.01	-0.30	3.31			0	2131
153075	12	36630	525	734	-2.30	.01	-2.29			0	2132
153075	12	36630	514	774	.34	.02	.36			0	2133
153075	12	36630	507	882	-3.64	-0.01	-3.53			0	2134
153075	12	36630	485	501	-1.23	-0.13	-1.10			0	2135
153075	12	36630	483	894	-0.23	.29	-0.52			0	2136
153075	12	36630	480	559	5.17	.09	5.08			0	2137
153075	12	36630	472	1125	4.37	-0.04	4.41			0	2138
153075	12	36630	440	2297	5.62	-0.04	5.66			0	2139
153075	12	36630	328	5500	3.27	.07	3.20			0	2140
153075	12	36630	359	4522	4.23	.09	4.14			0	2141
153075	12	36630	366	4099	4.47	.07	4.40			0	2142
153075	12	36630	346	3164	3.94	.07	3.91			0	2143
153075	12	36130	442	3018	-0.10	.11	-0.21			0	2144
153075	12	36130	440	3033	.03	.02	.01			0	2145
153075	12	36130	445	3033	.13	.02	.08			0	2146
153075	12	36130	444	3097	.04	-0.01	.05			0	2147
153075	12	36130	434	2614	3.54	-0.03	3.57			0	2148
153075	12	36130	405	3010	3.47	-0.11	3.98			0	2149
153075	12	36130	245	4621	.25	.01	.24			0	2150
153075	12	36130	240	4536	.36	.04	.32			0	2151
153075	12	35630	373	5374	.37	.01	.36			0	2152
153075	12	35630	350	10001	.12	.12	.0			0	2153
153075	12	37130	407	624	.46	.09	.37			0	2154
153075	12	37130	450	421	.50	.12	.36			0	2155
153075	12	37130	470	300	.57	.15	.35			0	2156
153075	12	37130	401	336	.58	.21	.37			0	2157
153075	12	37130	502	421	5.75	-0.29	6.04			0	2158
153075	12	37130	492	766	6.55	.22	5.37			0	2159
153075	12	37130	452	775	4.12	.0	4.12			0	2160
153075	12	45254	254	469	-0.30	.30	.0			0	1001
153075	12	45254	281	470	.84	-0.16	1.00			0	1002
153075	12	45254	328	531	2.77	.08	3.69			0	1003
153075	12	45254	284	1545	.36	-0.02	.39			0	1004
153075	12	44430	361	1055	2.46	.06	3.40			0	1005
153075	12	44430	443	641	3.97	.16	3.61			0	1006
153075	12	44430	507	694	-1.46	.05	-1.51			27	1007
153075	12	44430	512	706	.33	.30	.03			27	1008

# ACCELEROMETER DATA

A/C SER.NO. 193076 FLT.NO. 13 DATE 6/ 7/70 FLT.TIME .45HRS.

6.00	7.00	8.50	10.00
COUNTS BEFORE FLY	8264	9837	7629
COUNTS AFTER FLY	8268	9838	7629
			9774

DIFFERENCE	4	1	0	0
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CG ACCEL.	2	0	0	0
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FORE ACCEL.	2	0	0	0
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INDIVIDUAL DATA POINTS EXCEEDING 5.00 THRESHOLD FOR THIS FLIGHT

SEC. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
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1014	5.01		5.63
1024	6.06		6.22
1048	6.62		6.56

NADC-72021 VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	ECV. A/S (KNOTS)	ALTITUDE	AZ FCPE	AZ DIFF. (FCPE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	12	44630	515	1035	5.65	.15	5.50		27	27	1009
153076	12	44630	471	1070	3.83	-0.38	4.21		27	27	1010
153076	12	43090	383	794	.26	-0.12	.38		0	0	1011
153076	12	43090	482	841	.13	.14	-0.01		21	21	1012
153076	12	43090	485	828	.62	.19	.43		21	21	1013
153076	12	43090	480	1050	5.63	-0.18	5.81		21	21	1014
153076	12	43090	482	1087	-0.06	-1.23	1.17		21	21	1015
153076	12	43090	483	1241	.16	.14	.02		21	21	1016
153076	12	43090	482	1300	4.89	.10	4.78		21	21	1017
153076	12	43090	470	1346	3.59	.07	3.52		21	21	1018
153076	12	41830	467	893	.62	.10	.52		0	0	1019
153076	12	41830	473	833	2.99	-0.26	3.25		0	0	1020
153076	12	41830	406	994	-1.59	.03	-1.61		0	0	1021
153076	12	41830	517	1132	-2.13	-0.07	-2.06		0	0	1022
153076	12	41830	526	1090	.75	.03	.72		0	0	1023
153076	12	41830	526	1775	6.22	.16	6.06		0	0	1024
153076	12	41830	401	2286	.62	.15	.47		0	0	1025
153076	12	40790	291	1828	.25	-0.15	.44		0	0	1026
153076	12	40790	260	1887	.46	-0.15	.61		0	0	1027
153076	12	40790	285	2195	3.23	.03	3.20		0	0	1028
153076	12	40790	243	1834	.47	.01	.46		0	0	1029
153076	12	40790	376	1792	3.23	-0.06	3.29		0	0	1030
153076	12	40290	365	1747	.49	-0.02	.50		0	0	1031
153076	12	40290	362	1821	.23	-0.03	.26		0	0	1032
153076	12	40290	368	1770	.42	-0.04	.46		0	0	1033
153076	12	40290	354	1748	.45	-0.01	.46		0	0	1034
153076	12	40290	367	1897	.32	.03	.29		0	0	1035
153076	12	40290	342	2152	.47	-0.02	.49		0	0	1036
153076	12	39780	324	2232	3.51	.01	3.50		0	0	1037
153076	12	39780	329	2277	3.57	-0.11	3.68		0	0	1038
153076	12	39780	326	2366	3.33	.02	3.31		0	0	1039
153076	12	39780	323	2055	3.90	.01	3.89		0	0	1040
153076	12	39780	374	1756	.61	.12	.49		0	0	1041
153076	12	36330	400	1792	.51	.10	.41		0	0	1042
153076	12	36330	410	1852	.45	.13	.51		0	0	1043
153076	12	36330	410	1975	.63	.02	.65		0	0	1044
153076	12	36330	450	1756	.69	-0.02	.65		0	0	1045
153076	12	36330	467	1073	4.82	.16	5.25		60	60	1046
153076	12	36330	464	1003	-7.73	-0.43	.64		60	60	1047
153076	12	36330	464	1412	6.56	-0.06	6.62		60	60	1048
153076	12	36330	308	1537	3.85	-0.05	3.90		0	0	1049
153076	12	36330	190	1881	.47	.12	.35		0	0	1050
153076	12	36330	208	1575	.39	-0.05	.43		0	0	2001
153076	14	45158	347	2187	.45	-0.11	.56		0	0	2002
153076	14	43120	145	8758	-0.62	-0.02	-0.60		0	0	2003



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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EDV. A/S (KNOTS)	ALTITUDE	AZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	AZ DIFF. (AFT/CG)	AZ AFT	HANOVER CCOE	SEQUENCE NUMBER
152075	14	43120	338	5418	3.22	-0.07	1.39			0	2084
152076	14	43120	447	1415	3.84	-0.10	3.94			0	2085
152076	14	43120	457	589	4.73	-0.07	4.76			0	2086
152076	14	43120	457	446	3.22	-0.11	3.33			0	2087
152076	14	43120	475	73	.84	.05	.79			0	2088
152076	14	43120	479	399	5.53	.10	5.43			39	2089
152076	14	42820	253	6334	.12	-0.06	.18			0	2090
152076	14	42820	430	2317	3.52	.01	3.51			0	2091
152076	14	42820	487	563	3.78	.01	3.77			0	2092
152076	14	42820	526	1427	5.55	.16	5.39			20	2093
152076	14	42820	484	7607	-0.97	-1.39	.46			30	2094
152076	14	42820	388	8508	.07	.20	-0.13			10	2095
152076	14	42820	351	10328	.10	-0.05	.15			20	2096
152076	14	42820	362	10554	3.57	-0.15	3.72			30	2097
152076	14	42820	382	777	4.09	.03	4.06			0	2098
152076	14	42820	377	7572	4.11	-0.02	4.13			0	2099
152076	14	42820	518	410	3.64	.02	3.62			0	2100
152076	14	42820	518	-71	.32	-0.07	.39			0	2101
152076	14	42820	518	-106	.29	-0.11	.40			0	2102
152076	14	42820	501	-22	.30	-0.06	.36			42	2103
152076	14	42820	505	313	5.49	.01	5.48			0	2104
152076	14	42820	243	7781	.10	-0.03	.13			0	2105
152076	14	41720	270	7389	-0.44	-0.42	-0.06			0	2106
152076	14	41720	295	6695	-0.16	.05	-0.21			0	2107
152076	14	41720	324	5909	.03	0	.03			0	2108
152076	14	41720	482	1107	3.73	-0.08	3.81			0	2109
152076	14	41720	484	526	3.41	-0.07	3.48			0	2110
152076	14	41720	466	243	4.74	-0.03	4.77			0	2111
152076	14	41720	474	659	4.97	-0.01	4.98			28	2112
152076	14	41720	387	1507	.03	.10	-0.07			28	2113
152076	14	41720	351	2374	.88	-0.16	1.04			0	2114
152076	14	41720	300	2401	.30	-0.10	.40			0	2115
152076	14	41720	379	4152	4.08	-0.05	4.13			0	2116
152076	14	40820	374	2559	2.83	-0.05	2.88			0	2117
152076	14	40820	484	2547	3.42	-0.07	3.49			0	2118
152076	14	40820	435	2706	3.52	.04	3.48			0	2119
152076	14	40820	456	2117	3.32	.02	3.30			0	2120
152076	14	40820	502	141	3.37	-0.30	2.67			37	2121
152076	14	40820	478	302	-2.41	-0.11	-2.30			37	2122
152076	14	40820	462	157	-2.41	-0.09	-2.37			37	2123
152076	14	40820	456	510	.22	-0.12	.35			37	2124
152076	14	40820	478	2454	4.76	-0.01	4.73			37	2125
152076	14	40820	477	593	3.48	-0.01	3.49			0	2126
152076	14	40820	477	593	3.23	-0.14	3.33			0	2127
152076	14	40820	503	-70	2.27	-0.28	2.55			37	2128

# ACCELEROMETER DATA

A/C SER. NO. 153076 FLT. NO. 14 DATE 6/10/70 FLT. TIME 0845RS.

6.0G	7.0G	8.5G	10.0G
COUNTS BEFORE FLT	8268	9838	7629
COUNTS AFTER FLT	8369	9838	7629
			9774

DIFFERENCE	1	0	0	0
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CG ACCEL.	1	0	0	0
FORE ACCEL.	1	0	0	0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
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2059	5.93		5.92
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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, A/S (KNOTS)	ALTITUDE	NZ FCRC	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCCE	SEQUENCE NUMBER
153076	14	33420	505	72	-2.36	.26	-2.72		37		2049
153076	14	3820	541	133	-2.39	.18	-2.57		37		2050
153076	14	38420	547	61	.50	-0.06	.56		37		2051
153076	14	38420	478	1034	3.24	-0.04	3.28		0		2052
153076	14	38420	422	2157	3.50	-0.04	3.54		0		2053
153076	14	37320	330	3590	3.15	-0.02	3.17		0		2054
153076	14	37320	435	674	3.15	-0.02	3.17		0		2055
153076	14	37320	502	-106	2.83	-0.38	3.21		37		2056
153076	14	37320	511	49	-2.03	0	-2.03		37		2057
153076	14	37320	522	171	-1.57	.04	-2.01		37		2058
153076	14	37320	526	241	5.92	-0.01	5.93		37		2059
153076	14	37420	446	1264	3.81	-0.02	3.83		0		2060
153076	14	37420	455	-54	2.92	-0.45	3.37		0		2061
153076	14	37420	408	-10	-2.74	.51	-2.84		0		2062
153076	14	37420	577	133	-1.96	-0.11	-1.85		0		2063
153076	14	37420	554	134	-2.11	.02	-2.13		0		2064
153076	14	3520	467	158	3.28	.06	3.22		0		2065
153076	14	3520	427	465	3.30	-0.04	3.34		0		2066
153076	14	3520	434	732	3.21	-0.12	3.33		0		2067
153076	15	4458	235	-35	.63	.12	.51		0		2001
153076	15	4458	171	1570	.67	.15	.52		0		2002
153076	15	4458	375	2051	.59	.13	.46		0		2003
153076	15	4458	362	341	.50	.07	.43		0		2004
153076	15	44170	165	7501	.49	.08	.41		0		2005
153076	15	44170	340	2599	.39	.12	.27		0		2006
153076	15	44170	352	2461	.43	.13	.30		0		2007
153076	15	44170	359	2128	.66	.09	.57		0		2008
153076	15	44170	326	2633	.53	.03	.50		0		2009
153076	15	44170	314	5612	.60	.03	.57		0		2010
153076	15	44170	283	7551	.59	.06	.53		0		2011
153076	15	44170	348	7131	.38	.06	.52		0		2012
153076	15	44170	423	228	.57	-0.14	.58		0		2013
153076	15	42770	404	1547	3.63	-0.01	3.58		0		2014
153076	15	42770	290	5868	0	.05	-0.14		0		2015
153076	15	42770	338	5523	3.20	.09	3.11		0		2016
153076	15	42770	428	4635	3.61	.02	3.59		0		2017
153076	15	42770	376	4135	.54	.07	.47		0		2018
153076	15	42770	358	4477	.59	.05	.50		0		2019
153076	15	42770	360	4574	.52	.10	.33		0		2020
153076	15	42770	370	4602	.60	.07	.53		0		2021
153076	15	42770	356	4587	.46	.05	.41		0		2022
153076	15	42770	358	4966	.40	.17	.23		0		2023
153076	15	42770	357	4593	.19	.11	.08		0		2024
153076	15	42770	358	5051	.21	.10	.11		0		2025
153076	15	42770	356	5046	.37	.16	.21		0		2026

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNPTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRF-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	15	42170	434	647	.29	.09	.20			0	2027
153076	15	42170	435	407	.66	.22	.44			0	2028
153076	15	41670	152	625	-0.45	.10	-0.55			0	2029
153076	15	41670	462	1369	5.20	.01	5.19			0	2030
153076	15	41670	470	397	1.15	.10	.96			0	2031
153076	15	41170	479	301	4.11	-0.08	4.19			0	2032
153076	15	41670	486	204	1.04	.01	1.03			0	2033
153076	15	41670	492	421	5.22	-0.01	5.23			0	2034
153076	15	41670	264	7885	.57	.01	.56			0	2035
153076	15	41270	541	518	4.49	.09	4.40			0	2036
153076	15	41270	500	49	.51	.03	.48			0	2037
153076	15	41270	584	243	4.52	.09	4.43			1	2038
153076	15	41270	527	2380	5.56	.14	5.42			0	2039
153076	15	41270	0	1	1.00	0	1.00			0	2040
153076	15	41270	502	5445	-1.20	-3.14	1.85			0	2041
153076	15	41270	465	7008	.39	-5.03	5.42			0	2042
153076	15	41270	423	6011	-1.30	.47	-1.77			0	2043
153076	15	41270	365	10324	.57	.04	.53			0	2044
153076	15	41270	388	6757	4.23	.05	4.18			0	2045
153076	15	41270	342	8345	4.12	.05	4.07			0	2046
153076	15	40670	374	5273	.45	.14	.31			0	2047
153076	15	40770	424	157	.31	.05	.26			0	2048
153076	15	40770	420	168	.64	.14	.50			0	2049
153076	15	40770	478	577	4.94	.05	4.93			0	2050
153076	15	40770	186	6747	.21	.10	.11			0	2051
153076	15	40770	264	5457	0	.07	-0.07			0	2052
153076	15	40770	268	4082	2.52	-0.12	2.65			0	2053
153076	15	40770	306	4179	.59	.14	.45			0	2054
153076	15	40770	470	500	3.85	.10	3.75			0	2055
153076	15	40770	484	228	1.61	.07	1.54			0	2056
153076	15	40770	480	402	5.71	.02	5.69			0	2057
153076	15	40770	423	2444	2.01	.09	1.92			0	2058
153076	15	40470	388	1990	3.37	.01	3.36			0	2059
153076	15	40270	514	229	3.07	-0.11	3.19			0	2060
153076	15	40270	482	301	.11	.17	-0.06			0	2061
153076	15	40270	407	323	.50	.13	.37			0	2062
153076	15	40270	513	348	2.75	-0.28	3.03			0	2063
153076	15	40270	512	432	-1.08	.79	-1.87			0	2064
153076	15	40270	526	426	-1.85	.17	-2.02			0	2065
153076	15	40270	524	326	.21	.27	-0.06			0	2066
153076	15	40270	533	362	4.67	.02	4.70			0	2067
153076	15	40270	533	504	4.57	.07	4.86			0	2068
153076	15	40270	541	2659	3.91	.07	3.84			0	2069
153076	15	40070	554	497	4.03	.16	3.93			31	2070
153076	15	40070	547	314	.65	.22	.43			31	2071

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	15	40070	544	350	4.62	-0.42	5.25			31	2072
153076	15	40070	523	459	-0.67	.02	-0.70			31	2073
153076	15	40070	522	460	-1.26	-0.34	-0.92			31	2074
153076	15	40070	513	447	-1.11	.03	-1.14			31	2075
153076	15	40070	493	530	5.49	.01	5.88			31	2077
153076	15	39770	278	7403	.55	.02	.47			0	2078
153076	15	39770	403	4030	3.71	.02	3.69			0	2079
153076	15	39770	494	305	3.72	.05	3.67			0	2080
153076	15	39770	485	314	.41	.07	.34			0	2081
153076	15	39570	502	702	6.05	.07	5.98			0	2082
153076	15	39570	495	678	-0.68	.78	-1.46			0	2083
153076	15	39570	501	507	5.05	.08	4.97			0	2084
153076	15	39770	510	282	.62	.07	.55			34	2085
153076	15	39770	517	494	6.10	-0.87	6.97			34	2086
153076	15	39770	513	422	-0.57	.20	-0.77			34	2087
153076	15	39770	523	351	3.02	-0.08	3.10			34	2088
153076	15	39770	525	358	5.40	-0.09	5.49			34	2089
153076	15	39070	322	859	-0.22	0	-0.22			0	2090
153076	15	38570	274	7541	.10	.03	.07			0	2091
153076	15	39570	490	493	3.30	0	3.30			0	2092
153076	15	38570	458	265	.61	.09	.52			0	2093
153076	15	38570	446	1404	5.27	.17	5.10			0	2094
153076	15	38270	203	8556	-0.62	-0.02	-0.60			0	2095
153076	15	37570	351	4882	3.49	.09	3.40			0	2096
153076	15	37570	455	1368	4.95	.11	4.84			0	2097
153076	15	37570	247	7541	-0.38	.07	-0.45			0	2098
153076	15	37570	323	6429	3.61	-0.07	3.68			0	2099
153076	15	37570	406	3082	5.58	-0.05	5.63			0	2100
153076	15	37570	445	506	5.05	.08	4.97			0	2101
153076	15	37570	321	463	.33	-0.18	.51			0	2102
153076	15	37470	446	1366	4.29	.02	4.26			31	2103
153076	15	37470	501	228	.53	.11	.42			31	2104
153076	15	37470	510	373	5.52	-0.56	6.08			31	2105
153076	15	37470	505	300	-0.22	-0.04	-0.18			31	2106
153076	15	37470	507	421	-1.31	-0.58	-0.73			31	2107
153076	15	37470	522	253	-0.81	.16	-0.97			31	2108
153076	15	37470	524	459	6.32	.16	6.16			31	2109
153076	15	37170	499	1013	3.45	.09	3.36			0	2110
153076	15	36970	499	192	.44	.17	.27			0	2111
153076	15	36070	525	283	5.99	-0.50	6.49			0	2112
153076	15	36970	512	639	-1.62	-1.58	.36			0	2113
153076	15	36570	513	555	-0.25	.21	-0.46			0	2114
153076	15	36570	525	668	5.08	.06	5.02			0	2115
153076	15	36776	541	1792	4.38	-0.01	4.39			0	2116
153076	15	36770	577	120	.58	.05	.53			0	2117

# ACCELEROMETER DATA

A/C SER. NO. 153076 FLT. AC. 15 DATE 6/10/70 FLT. TIME 504RS.

COUNTS BEFORE FLT 8369 8038 7629 5774  
COUNTS AFTER FLT 8369 8038 7629 5774

DIFFERENCE 0 0 0 0  
CG ACCEL. 7 1 0 0  
FCRE ACCEL. 6 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.6G THRESHOLD FOR THIS FLIGHT

SEQ. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
2077	5.88	5.89	
2082	5.96	6.05	
2086	6.97	6.10	
2105	6.08	5.52	
2109	6.16	6.32	
2112	6.45	5.99	
2118	6.68	5.94	

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# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AF1	MANUEVER CODE	SEQUENCE NUMBER
153076	15	36770	537	217	5.94	-0.74	6.68			0	2110
153076	15	36770	520	241	-0.97	.16	-1.13			0	2119
153076	15	36770	531	169	-0.36	-0.26	-0.10			0	2120
153076	15	36770	571	120	3.27	.02	3.25			0	2121
153076	15	36770	520	401	4.09	-0.01	4.90			0	2122
153076	15	36770	409	253	4.30	-0.10	4.40			0	2123
153076	15	36770	440	1256	5.15	.05	5.10			0	2124
153076	15	36770	242	464	.53	-0.03	.56			0	2125
153076	15	36770	390	1571	3.71	.03	3.68			0	2126
153076	15	36770	441	535	5.16	.06	5.10			0	2127
153076	15	36770	384	2693	.12	.03	.09			0	2128
153076	15	36770	501	3437	.36	.01	.35			0	2129
153076	15	36770	340	4804	-0.02	.07	-0.09			0	2130
153076	15	36770	320	4227	.42	.10	.32			0	2131
153076	15	36770	200	4901	.32	.05	.27			0	2132
153076	15	36770	313	5210	.32	.05	.27			0	2133
153076	15	36770	200	1635	.47	.02	.44			0	2134
153076	15	36770	200	1347	.55	.04	.51			0	2135
153076	15	36770	290	1562	.37	.17	.20			0	2136
153076	15	36770	325	1565	.42	.09	.33			0	2137
153076	15	36770	387	1560	.35	.17	.18			0	2138
153076	15	36770	412	0	3.42	-0.23	3.65			0	2139
153076	15	36770	203	1208	.23	.06	.17			0	2140
153076	15	36770	287	720	.42	.11	.31			0	1001
153076	15	36770	403	107	3.38	-0.23	3.61			0	1002
153076	15	36770	407	272	-1.78	.43	-2.21			0	1003
153076	15	36770	407	175	-0.41	.17	-0.58			0	1004
153076	15	36770	495	249	-1.91	.05	-1.96			0	1005
153076	15	36770	501	272	.31	.16	.15			0	1006
153076	15	36770	512	519	5.45	.17	5.29			0	1007
153076	15	36770	511	692	2.83	.04	2.79			0	1008
153076	15	36770	477	378	6.99	-0.44	7.43			0	1009
153076	15	36770	503	154	-1.09	.29	-1.38			0	1010
153076	15	36770	407	366	-1.08	-2.82	1.74			0	1011
153076	15	36770	402	426	-0.35	.53	-0.88			0	1012
153076	15	36770	404	285	1.12	.17	.95			0	1013
153076	15	36770	407	414	4.79	.17	4.61			0	1014
153076	15	36770	415	1542	.20	.01	.19			0	1015
153076	15	36770	321	1129	3.27	.12	3.15			0	1016
153076	15	36770	446	259	2.88	-0.07	2.95			0	1017
153076	15	36770	476	768	-2.19	.17	-2.36			0	1018
153076	15	36770	506	499	-1.57	.19	-1.76			0	1019
153076	15	36770	511	590	-0.01	.16	-0.17			0	1020
153076	15	36770	506	602	4.28	.08	4.20			0	1021
153076	15	36770	311	2001	3.20	.06	3.14			0	1022

# ACCELEROMETER DATA

S/C SER.NO.-153176 FLT.NO. 16 DATE 6/12/70 FLT.TIME 30HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 2643 5553 5892 752

COUNTS AFTER FLT 2644 5554 5894 752

DIFFERENCE 1 1 1 0

CG ACCEL. 1 1 0 0

FCRE ACCEL. 1 1 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1009 7.43 6.99

NADC-72021 VT



# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	A2 AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	16	41100	202	2010	3.06	.03	3.03			C	1024
153076	16	40F50	400	496	4.91	.03	4.88			C	1025
153076	16	40F50	377	1557	4.03	.04	3.95			C	1026
153076	16	40F50	341	1303	3.09	.12	2.97			C	1027
153076	16	40F50	431	531	2.04	-0.06	2.00			C	1028
153076	16	40F50	426	507	3.17	-0.04	3.14			C	1029
153076	16	38400	410	402	3.31	.13	.20			C	1030
153076	16	38400	412	473	3.25	-0.43	3.68			60	1031
153076	16	38400	400	390	-1.02	-1.51	.49			60	1032
153076	16	38400	412	615	4.56	-0.01	4.57			60	1034
153076	17	44250	167	7466	-1.42	-0.11	-1.31			C	1001
153076	17	44250	231	6761	.06	-0.14	.20			C	1002
153076	17	44250	437	620	.55	.02	.53			C	1003
153076	17	44250	444	462	.53	.02	.50			C	1004
153076	17	43750	415	2266	3.77	-0.01	3.78			C	1005
153076	17	42750	133	9159	-0.75	-0.03	-0.72			C	1006
153076	17	43750	426	1631	4.03	-0.02	4.06			35	1007
153076	17	43750	445	1055	4.11	-0.04	4.29			35	1008
153076	17	43750	442	300	.33	-0.08	.41			35	1009
153076	17	42750	450	739	5.41	-0.08	5.49			35	1010
153076	17	43750	324	2021	.18	-0.18	.36			C	1011
153076	17	43750	168	6224	.23	-0.10	.33			C	1012
153076	17	43750	541	1791	3.32	0	3.32			C	1013
153076	17	43750	558	1359	3.35	-0.05	3.40			C	1014
153076	17	43750	567	548	5.54	-0.12	5.66			30	1015
153076	17	43750	554	451	-0.75	-0.02	-0.72			30	1016
153076	17	43750	562	356	-0.20	.06	-0.26			30	1017
153076	17	43750	567	369	-0.26	-0.07	-0.19			30	1018
153076	17	43750	549	2155	5.02	.10	5.02			30	1019
153076	17	43750	400	9299	-0.55	.32	-0.87			30	1020
153076	17	43750	350	9552	-0.81	-0.09	-0.72			30	1021
153076	17	43750	360	9507	4.01	0	4.01			30	1022
153076	17	42750	356	6776	4.01	-0.06	4.10			C	1023
153076	17	42750	224	8103	.45	-0.12	.57			C	1024
153076	17	42750	313	4512	.53	-0.05	.58			C	1025
153076	17	42750	513	368	.25	-0.15	.40			C	1026
153076	17	42750	499	393	.37	-0.07	.44			C	1027
153076	17	42750	467	417	-0.02	-0.10	.08			C	1028
153076	17	42750	491	796	5.16	.03	5.13			30	1029
153076	17	42750	259	6761	-0.89	-0.50	-0.39			30	1030
153076	17	42750	321	5541	.04	-0.06	.10			30	1031
153076	17	42750	406	3116	.22	-0.05	.27			30	1032
153076	17	42750	401	660	4.36	-0.01	4.37			30	1033
153076	17	42750	401	821	6.27	-0.08	6.35			30	1034
153076	17	42750	308	3040	3.20	-0.19	3.39			30	1035

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BUREAU NUMBER	FLIGHT NUMBER	GROSS HEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	17	42200	369	4716	3.62	-0.01	2.63		38		1036
153076	17	41750	400	488	.16	-0.06	.22		0		1037
153076	17	41750	505	500	.03	-0.04	.07		37		1038
153076	17	41750	511	488	-0.39	-0.05	-0.34		27		1039
153076	17	41750	512	537	3.45	-0.42	3.68		37		1040
153076	17	41750	512	551	-1.39	-0.01	-1.38		37		1041
153076	17	41750	518	586	-2.81	.13	-2.94		37		1042
153076	17	41750	517	477	-0.24	.14	-0.38		37		1043
153076	17	41750	530	670	5.84	-0.07	5.91		37		1044
153076	17	41750	477	2282	3.87	.01	3.86		0		1045
153076	17	41500	255	6719	-0.21	-0.10	-0.11		0		1046
153076	17	41500	168	8284	-0.21	-0.14	-0.07		0		1047
153076	17	41500	401	403	.28	-0.08	.36		0		1048
153076	17	41500	507	489	4.71	-0.68	5.39		31		1049
153076	17	41500	503	537	-0.92	.05	-0.97		31		1050
153076	17	41500	402	647	-2.14	-0.30	-1.84		31		1051
153076	17	41500	400	646	-1.41	.19	-1.60		31		1052
153076	17	41500	485	657	5.09	-0.02	5.11		31		1053
153076	17	41500	407	2548	4.52	.01	4.51		31		1054
153076	17	40750	488	6328	.04	-0.12	.16		0		1055
153076	17	40750	510	537	-0.38	-0.02	-0.36		0		1056
153076	17	40750	407	536	5.42	-0.58	5.99		42		1057
153076	17	40750	407	668	-1.50	-2.02	.52		42		1058
153076	17	40750	405	757	-1.30	-2.60	1.30		42		1059
153076	17	40750	400	872	-0.59	.41	-1.00		42		1060
153076	17	40750	449	1790	5.92	-0.05	5.97		42		1061
153076	17	40750	450	1435	4.53	.07	4.46		42		1062
153076	17	40750	510	670	3.74	-0.03	3.77		34		1063
153076	17	40750	527	523	4.01	-0.15	4.16		34		1064
153076	17	40750	520	500	.17	-0.11	.28		34		1065
153076	17	40750	542	440	-0.17	.01	-0.18		34		1066
153076	17	40750	540	428	6.22	-0.70	6.92		34		1067
153076	17	40750	548	428	-1.01	-0.21	-0.80		34		1068
153076	17	40750	545	586	.92	-0.15	1.07		34		1069
153076	17	40750	466	2257	4.99	-0.12	5.12		34		1070
153076	17	40750	302	7429	4.14	-0.01	4.15		0		1071
153076	17	40750	341	5214	-0.39	-0.05	-0.30		0		1072
153076	17	40750	508	392	.22	-0.09	.29		0		1073
153076	17	40750	501	764	.20	.04	.29		0		1074
153076	17	40750	233	8042	5.56	-0.01	5.52		49		1075
153076	17	40750	355	3226	-0.99	-0.01	-0.98		49		1076
153076	17	40750	375	3400	3.80	-0.08	3.88		49		1077
153076	17	40750	387	368	3.62	-0.09	3.71		49		1078
153076	17	40750	386	897	.03	-0.13	.16		49		1079
153076	17	40750	386	897	4.29	.04	4.25		49		1080

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	17	36500	182	6330	-0.08	-0.10	.02			0	1081
153076	17	36000	417	871	3.89	.05	3.84			0	1092
153076	17	36000	513	274	.24	0	.24			0	1083
153076	17	36000	525	226	.23	-0.06	.29			0	1084
153076	17	36000	517	646	5.59	-0.02	5.61			0	1085
153076	17	36000	395	1486	3.82	-0.05	3.87			0	1086
153076	17	36000	403	1542	4.15	.01	4.14			0	1087
153076	17	36000	370	2567	3.67	-0.28	.46			0	1088
153076	17	37000	400	2050	3.14	-0.11	3.25			45	1089
153076	17	37400	468	804	4.55	-0.11	4.66			45	1090
153076	17	37000	484	393	.33	-0.07	.36			45	1091
153076	17	37400	469	734	3.11	-0.50	3.61			45	1092
153076	17	37400	477	454	-2.67	.36	-3.02			45	1093
153076	17	37400	518	515	-2.67	-0.16	-2.51			45	1094
153076	17	37400	521	574	-0.23	-0.03	-0.20			45	1095
153076	17	37400	526	700	3.58	-0.05	3.63			45	1096
153076	17	37400	507	515	-0.04	-0.09	.50			45	1097
153076	17	37400	477	1664	-0.04	-0.01	-0.07			45	1098
153076	17	37400	430	2572	3.64	-0.17	3.81			45	1099
153076	17	37000	388	3226	.31	-0.03	.34			0	1100
153076	17	37000	405	3172	.23	0	.23			0	1101
153076	17	37000	419	2830	.16	.04	.12			0	1102
153076	17	37000	447	1505	.20	-0.07	.27			0	1103
153076	17	37000	460	1342	.28	.18	.10			0	1104
153076	17	37000	462	586	.23	.01	.22			0	1105
153076	17	37000	468	733	.13	-0.02	.16			0	1106
153076	17	37000	464	685	.23	.02	.21			0	1107
153076	17	37000	460	647	.13	.15	-0.02			0	1108
153076	17	37000	450	489	.14	0	.18			0	1109
153076	17	36500	417	1414	3.03	-0.12	3.16			0	1110
153076	17	36500	98	865	-0.07	-0.12	.05			0	1111
153076	17	36500	369	3245	3.12	-0.16	3.28			0	1112
153076	17	36500	402	1742	3.35	-0.11	3.46			0	1113
153076	17	36500	411	866	3.07	-0.17	3.24			0	1114
153076	17	36500	307	3242	.17	-0.12	.29			0	1115
153076	17	36500	283	3550	.19	-0.10	.29			0	1116
153076	17	36500	268	4578	.17	-0.01	.16			0	1117
153076	17	36500	271	7369	-0.08	-0.02	0			0	1118
153076	17	35500	266	5286	.08	-0.15	.23			0	1119
153076	17	34500	270	2247	.22	-0.17	.39			0	1120
153076	17	34500	342	1592	-0.01	-0.11	.10			0	1121
153076	17	34500	366	2188	.28	-0.04	.32			0	1122
153076	17	34500	391	2607	.17	-0.10	.27			0	1123
153076	17	34500	372	2614	.04	-0.01	.05			0	1124
153076	17	34500	398	2655	3.05	-0.12	3.17			0	1125

# ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.NO. 17 DATE 6/14/70 FLT.TIME .60PRS.

6.00 7.00 8.50 10.00

COUNTS BEFORE FLT 2844 9554 5894 753

COUNTS AFTER FLT 2654 9556 5855 753

DIFFERENCE 10 2 1 0

CG ACCEL. 6 1 0 0

FORE ACCEL. 5 0 0 0

## INDIVIDUAL DATA POINTS EXCEEDING 5.8G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1019	5.82	5.92	
1034	6.35	6.27	
1044	5.91	5.84	
1057	5.99	5.43	
1061	5.97	5.92	
1067	6.92	6.22	

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BURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153076	17	34500	401	2743	3.43	-0.10	3.53			0	1126
153076	17	34500	447	1458	2.83	-0.22	3.05			0	1127
153076	17	34000	464	511	.30	-0.03	.33			0	1128
153076	17	34000	471	465	.06	-0.04	.10			0	1129
153076	17	34000	468	463	.15	-0.06	.21			0	1130
153076	17	34000	459	245	.02	.00	-0.06			0	1131
153076	17	34000	470	344	4.39	-0.70	5.09			60	1132
153076	17	34000	477	245	-1.42	-1.77	.35			60	1133
153076	17	34000	447	731	5.02	-0.11	5.13			60	1134
153076	17	34000	252	4409	.50	.09	.41			0	2001
153076	17	40000	272	7204	.26	.07	.19			0	2002
153076	17	39000	400	222	.65	.20	.45			0	2003
153076	17	39000	518	328	.46	.06	.40			0	2004
153076	17	39000	482	536	5.55	.10	5.45			0	2005
153076	17	39000	358	3881	3.63	.07	3.56			0	2006
153076	17	38000	436	1615	3.74	.02	3.72			0	2007
153076	17	38000	443	507	3.93	-0.02	3.95			0	2008
153076	17	38000	427	328	.34	.08	.26			0	2009
153076	17	38000	423	168	.42	.02	.40			0	2010
153076	17	38000	460	588	4.17	.12	4.05			0	2011
153076	17	38000	311	5376	.38	-0.01	.39			0	2012
153076	17	38000	311	6031	.52	.07	.45			0	2013
153076	17	38000	397	2727	2.99	-0.04	3.03			0	2014
153076	17	38000	455	764	.61	.23	.38			0	2015
153076	17	38000	461	364	.36	.44	-0.08			0	2016
153076	17	38000	454	750	3.60	-0.25	3.85			0	2017
153076	17	38000	428	1744	3.62	-0.05	3.67			0	2018
153076	17	38000	183	8559	-0.18	.06	-0.24			0	2019
153076	17	38000	385	4628	4.31	.08	4.23			0	2020
153076	17	38000	422	2218	4.17	0	4.17			0	2021
153076	17	38000	465	447	4.86	.15	4.71			37	2022
153076	17	38000	442	1231	4.81	.15	4.66			37	2023
153076	17	38000	430	2478	3.88	.05	3.83			37	2024
153076	17	38000	235	5702	.18	.02	.16			0	2025
153076	17	38000	343	3086	3.17	.12	3.05			0	2026
153076	17	38000	485	412	3.67	.04	3.63			0	2027
153076	17	38000	519	293	.38	.11	.27			0	2028
153076	17	38000	528	400	5.21	-0.45	5.66			31	2029
153076	17	38000	527	425	-0.91	.28	-1.19			31	2030
153076	17	38000	520	559	-2.10	.70	-2.80			31	2031
153076	17	38000	520	523	-0.31	-0.01	-0.30			31	2032
153076	17	38000	520	569	-1.57	-0.12	-1.44			31	2033
153076	17	38000	522	510	-0.02	-0.02	0			31	2034
153076	17	38000	542	506	5.44	.13	5.31			31	2035
153076	17	37800	445	3556	4.13	.14	3.99			0	2036

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	1A	17080	232	9093	.23	.04	.19			0	2037
153076	1A	17080	462	650	3.99	.06	3.93			0	2038
153076	1A	17080	494	206	.42	.13	.29			42	2039
153076	1A	17080	508	469	5.97	-0.41	6.38			42	2040
153076	1A	17080	497	577	-0.46	.58	-1.04			42	2041
153076	1A	17080	424	955	5.20	.18	5.12			42	2042
153076	1A	17080	446	2795	3.91	.03	3.88			42	2043
153076	1A	17080	446	2679	2.86	.05	2.77			0	2044
153076	1A	17080	406	153	.58	.15	.43			34	2045
153076	1A	17080	511	235	.36	.25	.11			34	2046
153076	1A	17080	500	423	6.06		6.80			34	2047
153076	1A	17080	507	707	-0.89	-0.27	-0.62			34	2048
153076	1A	17080	522	295	.36	-0.02	.38			34	2049
153076	1A	17080	530	253	5.36	-0.02	5.38			34	2050
153076	1A	17080	304	4190	3.94	-0.09	4.03			34	2051
153076	1A	17080	484	271	4.08	-0.02	4.10			34	2052
153076	1A	17080	502	253	5.66	-0.04	6.30			34	2053
153076	1A	17080	404	282	-0.66	-0.26	-0.37			34	2054
153076	1A	17080	511	201	3.83	-0.10	3.93			34	2055
153076	1A	17080	304	508	5.64	.19	5.49			34	2056
153076	1A	17080	388	4710	.48	.05	.43			0	2057
153076	1A	17080	500	592	4.00	.03	3.97			0	2058
153076	1A	17080	501	178	.35	.15	.20			0	2059
153076	1A	17080	504	472	5.61	.15	5.46			0	2060
153076	1A	17080	217	8123	.24	.12	.12			0	2061
153076	1A	17080	388	459	2.53	.09	2.44			0	2062
153076	1A	17080	406	555	4.52	.12	4.40			0	2063
153076	1A	17080	386	6059	2.06	.05	2.97			0	2064
153076	1A	17080	258	2377	.44	.03	.41			0	2065
153076	1A	17080	487	448	2.68	0	3.60			0	2066
153076	1A	17080	471	259	.43	.04	.39			0	2067
153076	1A	17080	486	224	.44	.20	.24			0	2068
153076	1A	17080	478	594	5.35	.11	5.24			0	2069
153076	1A	17080	266	8032	-0.27	.23	-0.35			0	2070
153076	1A	17080	366	2899	4.29	-0.03	4.32			0	2071
153076	1A	17080	403	2161	4.23	.08	4.15			0	2072
153076	1A	17080	427	517	4.55	.02	4.53			0	2073
153076	1A	17080	451	542	4.93	.08	4.85			0	2074
153076	1A	17080	368	4576	-0.02	.08	.25			0	2075
153076	1A	17080	360	4637	-0.02	.04	-0.06			0	2076
153076	1A	17080	366	2075	4.55	-0.16	4.71			0	2077
153076	1A	17080	377	7069	.50	.10	.40			0	2078
153076	1A	17080	377	7237	.17	.17	0			0	2079
153076	1A	17080	350	7854	.25	.15	.10			0	2080
153076	1A	17080	408	6752	-0.12	.04	-0.16			0	2081

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# ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.AC. 10 DATE 6/17/70 FLT.TIME 090RS.

6.06 7.06 0.50 10.00

COUNTS BEFORE FLI 2654 9558 5895 763

COUNTS AFTER FLT 2650 9559 5895 763

DIFFERENCE 4 2 0 0

CG ACCEL. 3 1 0 0

FCRE ACCEL. 2 0 0 0

NADC-12021.VT

INDIVIDUAL DATA POINTS EXCEEDING 5.00 THRESHOLD FOR THIS FLIGHT

SEQ. AC. CG ACCEL. FCRE ACCEL. AFT ACC L.

2040 6.30 5.97  
2047 6.00 6.06  
2053 6.30 5.66

NADC-12021 VI

BUREAU NUMBER	FLIGHT NUMBER	CROSS HEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	1A	3530	350	6360	.42	.17	.25			0	2082
153076	1A	3530	344	7416	-0.12	.13	-0.25			0	2083
153076	1A	3530	370	7431	-0.05	.02	-0.07			0	2084
153076	1A	3530	371	7434	2.47	-0.26	2.73			0	2085
153076	1A	3530	377	7545	-0.44	.02	-0.50			0	2086
153076	1A	3530	365	7428	3.81	.13	3.68			0	2087
153076	1A	3530	303	7278	.35	.04	.32			0	2088
153076	1A	3530	402	6557	.24	.04	.24			0	2089
153076	1A	3530	356	7247	3.19	.12	3.07			0	2090
153076	1A	34530	329	7110	3.13	.13	3.00			0	2091
153076	1A	24530	322	6328	.56	.16	.40			0	2092
153076	1C	43708	464	1212	3.62	-0.11	3.73			0	1001
153076	1C	43708	507	469	.76	.34	.42			0	1002
153076	1C	43708	506	770	3.71	.0	3.71			0	1003
153076	1C	43708	404	1121	3.84	.05	3.75			0	1004
153076	1C	43708	452	2430	3.77	-0.03	3.80			0	1005
153076	1C	43708	217	6134	-0.05	.14	-0.24			0	1006
153076	1C	43708	374	5275	4.06	.04	4.02			0	1007
153076	1C	43708	432	632	4.06	.02	4.04			0	1008
153076	1C	43708	422	457	.59	-0.01	.60			0	1009
153076	1C	43708	440	799	4.80	.05	4.84			0	1010
153076	1C	43708	422	1119	4.91	.17	4.74			0	1011
153076	1C	43708	147	7419	-0.14	.02	-0.16			0	1012
153076	1C	42858	406	529	3.19	.06	3.13			0	1013
153076	1C	42858	510	131	.60	.05	.55			0	1014
153076	1C	42858	560	437	4.34	.06	4.28			0	1015
153076	1C	42858	570	1508	6.47	.32	6.15			0	1016
153076	1C	42858	467	2362	-1.04	-2.05	1.01			0	1017
153076	1C	42858	476	4500	.35	-0.26	.62			0	1018
153076	1C	42858	446	5565	.21	-4.24	4.45			0	1019
153076	1C	42858	384	7562	.52	.29	.23			0	1020
153076	1C	42858	322	6883	-0.22	.0	-0.22			0	1021
153076	1C	42858	341	8081	3.72	.15	3.57			0	1022
153076	1C	42858	436	1602	3.75	.12	3.63			0	1023
153076	1C	42858	502	391	.60	.17	.43			0	1024
153076	1C	42858	525	394	.51	.20	.31			0	1025
153076	1C	42858	515	717	5.67	.15	5.52			0	1026
153076	1C	42858	237	6491	-0.37	-0.27	-0.10			0	1027
153076	1C	42858	276	5826	-0.12	.02	-0.15			0	1028
153076	1C	42858	427	2108	3.96	.04	3.92			0	1029
153076	1C	42858	478	552	5.81	.20	5.61			0	1030
153076	1C	41758	217	7770	.45	-0.01	.46			0	1031
153076	1C	41758	406	601	3.13	.06	3.07			0	1032
153076	1C	41758	482	474	.42	.08	.34			0	1033
153076	1C	41758	488	627	4.63	-0.31	4.94			0	1034



# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	19	4175A	400	637	-0.57	.30	-0.87			0	1035
153076	19	4175A	400	696	-1.99	.04	-2.03			0	1036
153076	19	4175A	505	545	.23	C	.23			0	1037
153076	19	4175A	506	772	6.07	.08	5.99			0	1038
153076	19	4175A	474	259A	4.39	.13	4.26			0	1039
153076	19	4175A	186	5942	-1.22	.03	-0.25			0	1040
153076	19	4120A	502	543	.55	.08	.48			0	1041
153076	19	4120A	503	818	5.89	-0.48	6.37			0	1042
153076	19	4120A	407	674	-0.43	-0.22	-0.21			0	1043
153076	19	4120A	400	767	-1.01	-0.26	-0.75			0	1044
153076	19	4120A	508	803	-1.82	-0.02	-1.80			0	1045
153076	19	4120A	512	511	5.41	.17	5.24			0	1048
153076	19	4120A	175	8744	.39	.01	.38			0	1049
153076	19	40F5A	455	2296	4.36	.10	4.26			0	1050
153076	19	40F5A	460	846	5.34	-0.42	5.77			C	1051
153076	19	40F5A	461	683	-0.75	-1.55	.84			0	1052
153076	19	40F5A	466	773	.23	.11	.12			C	1053
153076	19	40F5A	473	903	4.93	.05	4.88			0	1054
153076	19	40F5A	463	1286	4.66	.18	4.48			0	1055
153076	19	40F5A	400	2915	3.98	.05	3.93			0	1056
153076	19	40F5A	210	8506	0	.01	-0.01			0	1057
153076	19	4010A	458	1635	3.42	-0.07	3.49			0	1058
153076	19	4010A	455	635	.60	.10	.50			0	1059
153076	19	4010A	471	589	.45	.13	.32			0	1060
153076	19	4010A	480	798	5.11	-0.51	5.62			0	1061
153076	19	4010A	478	716	-0.70	.05	-0.75			0	1062
153076	19	4010A	496	526	5.83	.08	5.75			0	1063
153076	19	4010A	253	5789	-0.03	.01	-0.04			0	1064
153076	19	3920A	447	762	.54	.05	.49			0	1065
153076	19	3920A	450	2307	5.56	.21	5.35			0	1066
153076	19	3920A	225	8245	-0.16	.06	-0.22			0	1067
153076	19	3920A	453	1446	4.93	.10	4.83			0	1068
153076	19	3920A	460	1101	5.57	.21	5.36			0	1069
153076	19	3920A	283	8624	.48	.05	.43			0	1070
153076	19	3820A	343	5597	3.14	.12	3.02			0	1071
153076	19	3820A	475	1875	4.91	.13	3.88			0	1072
153076	19	3820A	536	568	.62	-0.05	.71			0	1073
153076	19	3820A	539	612	.54	C	.54			0	1074
153076	19	3820A	506	1320	5.64	.19	5.45			0	1075
153076	19	3820A	422	2512	.18	-0.08	.26			0	1076
153076	19	3820A	387	2321	3.88	.15	3.73			0	1077
153076	19	3770A	328	2027	3.21	.10	3.11			0	1078
153076	19	3770A	208	3027	.04	.11	-0.07			0	1079
153076	19	3770A	344	5553	3.21	.11	3.10			0	1080
153076	19	3720A	306	2487	3.31	-0.14	3.45			0	1081

# ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.NO. 19 DATE 6/19/70 FLY.TIME .62HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 2650 5555 5855 793

COUNTS AFTER FLT 2664 5561 5855 793

DIFFERENCE 6 2 0 0

CG ACCEL. 3 0 0 0

FORE ACCEL. 5 0 0 0

NADC-72021 VT

INDIVIDUAL DATA POINTS EXCEEDING 5.8G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1016	6.15	6.47	
1030	5.61	5.81	
1038	5.99	6.07	
1042	6.37	5.89	
1063	5.75	5.63	

NAUO-100-1-1 VI

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFY/CG)	NZ AEY	MANUEVER CCODE	SEQUENCE NUMBER
153075	19	37200	155	8404	.43	.04	.39			0	1082
153076	19	37200	400	2307	3.94	.07	3.87			0	1083
153077	19	37200	415	1162	3.78	-.04	3.86			0	1084
153078	19	36150	142	8626	.29	.04	.25			0	1085
153079	19	36150	280	3665	.57	.05	.52			0	1086
153080	19	36150	275	3975	.52	.01	.51			0	1087
153081	19	36150	285	4651	.45	.07	.38			0	1088
153082	19	36150	370	3560	2.99	.11	3.88			0	1089
153083	19	36150	517	848	.20	.07	.13			0	1090
153084	19	36150	525	685	3.07	-.03	4.27			0	1091
153085	19	36150	513	859	-1.71	.26	-1.97			0	1092
153086	19	36150	515	859	-1.54	.13	-1.67			0	1093
153087	19	36150	517	864	-1.90	-.02	-1.88			0	1094
153088	19	36150	485	1869	4.95	.12	4.83			0	1095
153089	19	36150	247	7390	-0.22	-.02	-0.10			0	1096
153090	19	36150	285	871	.33	.26	.05			0	1097
153091	19	36150	447	528	.28	.04	.24			0	1098
153092	19	36150	441	1205	4.96	.11	4.85			0	1099
153093	20	43000	373	4745	-0.19	-.02	-0.12			0	1100
153094	20	43000	435	4194	3.20	.01	3.19			0	1101
153095	20	43000	443	1008	3.11	-.01	3.30			0	1102
153096	20	43000	447	854	3.01	-.02	3.25			0	1103
153097	20	43000	467	732	3.63	.13	3.50			0	1104
153098	20	43000	441	1707	3.92	.15	3.77			0	1105
153099	20	43000	352	4637	3.24	-.07	3.31			0	1106
153100	20	43000	174	9043	-0.37	.09	-0.46			0	1107
153101	20	43000	372	2722	3.81	.04	3.77			0	1108
153102	20	43000	360	572	4.29	.05	4.15			0	1109
153103	20	43000	380	255	.46	-.03	.49			0	1110
153104	20	43000	302	207	4.32	.11	4.21			0	1111
153105	20	43000	474	487	3.41	.06	3.35			0	1112
153106	20	43000	520	729	6.27	.16	6.11			0	1113
153107	20	43000	441	4646	-0.69	-.83	1.94			0	1114
153108	20	43000	380	7572	-0.17	.44	-0.61			0	1115
153109	20	43000	350	8649	-0.56	.06	-0.62			0	1116
153110	20	43000	371	8430	4.17	-.02	4.19			0	1117
153111	20	42000	418	2593	.31	-.06	.37			0	1118
153112	20	42000	474	2594	3.99	-.05	4.04			0	1119
153113	20	42000	440	1587	.39	.15	.20			0	1120
153114	20	42000	466	582	4.03	.01	4.02			0	1121
153115	20	42000	513	437	5.73	.08	5.65			0	1122
153116	20	42000	252	6850	-0.28	-.31	-.03			0	1123
153117	20	42000	372	4125	.03	.08	-0.05			0	1124
153118	20	42000	469	1130	4.05	.09	3.96			0	1125

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	20	42200	488	266	1.30	.03	1.27			0	1028
153076	20	42200	491	502	5.91	.06	5.85			0	1029
153076	20	41800	454	497	3.18	.06	3.12			0	1030
153076	20	41800	443	279	3.18	-.035	3.53			0	1031
153076	20	41800	449	380	-1.79	.14	-1.57			0	1032
153076	20	41800	402	403	-1.74	.07	-1.65			0	1033
153076	20	41800	502	645	5.50	.02	5.48			0	1034
153076	20	41800	362	4112	2.52	.04	2.48			0	1035
153076	20	41800	208	8211	-0.26	.01	-0.27			0	1036
153076	20	41250	392	327	3.52	-.040	3.92			0	1037
153076	20	41250	397	329	-0.82	.07	-0.89			0	1038
153076	20	41250	395	502	-2.31	-.031	-2.00			0	1039
153076	20	41250	417	796	4.57	.09	4.48			0	1040
153076	20	40750	524	965	3.36	.03	3.33			0	1041
153076	20	40750	535	703	.30	.19	.11			0	1042
153076	20	40750	543	412	6.30	-.025	6.59			0	1043
153076	20	40750	536	413	-1.07	-.151	.84			0	1044
153076	20	40750	526	559	-1.58	-.106	-0.52			0	1045
153076	20	40750	534	519	5.27	.18	5.09			0	1046
153076	20	40200	466	731	3.83	.01	3.82			0	1047
153076	20	40200	500	715	4.79	-.051	4.89			0	1048
153076	20	40200	502	717	-0.67	.03	-0.70			0	1049
153076	20	40200	507	729	-0.23	-.012	-0.11			0	1050
153076	20	40200	512	740	2.47	-.007	2.54			0	1051
153076	20	40200	510	473	5.77	.07	5.70			0	1052
153076	20	40200	210	7076	.18	-.001	.19			0	1053
153076	20	39200	245	6579	.19	-.002	.22			0	1054
153076	20	39200	504	1140	3.94	.10	3.84			0	1055
153076	20	39200	495	302	.76	.05	.27			0	1056
153076	20	39200	512	1237	5.74	.14	5.60			0	1057
153076	20	39200	195	8200	-0.82	0	-0.83			0	1058
153076	20	39200	350	2345	3.92	.07	3.85			0	1059
153076	20	38700	366	1558	3.89	.02	3.80			0	1060
153076	20	38700	371	656	3.58	.11	3.47			0	1061
153076	20	38700	377	4091	4.00	.09	3.99			0	1062
153076	20	38700	353	1312	3.62	.12	3.50			0	1063
153076	20	38150	326	3042	3.28	.10	3.18			0	1064
153076	20	38150	410	2548	4.43	.14	4.29			0	1065
153076	20	38150	364	3565	2.36	.07	2.29			0	1066
153076	20	38150	371	4044	4.73	.15	4.54			0	1067
153076	20	38150	472	2301	-0.07	.15	-0.22			0	1068
153076	20	38150	496	1847	3.48	-.017	3.65			0	1069
153076	20	38150	506	1459	5.20	.04	5.16			0	1070
153076	20	38150	520	520	3.75	.02	3.73			0	1071
153076	20	37450	475	831	3.21	-.014	3.37			0	1072
153076	20	37450								0	1073

# ACCELEROMETER DATA

A/C SER.NO. 153076 FLT.NO. 20 DATE 6/20/70 FLT.TIME .504RS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 2664 9561 5895 793

COUNTS AFTER FLT 2667 9562 5895 793

DIFFERENCE 2 1 0 0

CG ACCEL. 3 0 0 0

FORE ACCEL. 3 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1015 6.11 6.27  
1029 5.85 5.91  
1044 6.59 6.30

NADC-72021 VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MAN JEVER CODE	SEQUENCE NUMBER
153076	20	37550	445	1079	3.70	-0.06	3.76			0	1074
153076	20	37550	440	1735	3.40	-0.20	3.60			0	1075
153076	20	37550	436	1891	4.31	.11	4.20			0	1076
153076	20	37550	445	1155	3.99	-0.02	4.01			0	1077
153076	20	37550	432	760	3.54	-0.16	3.70			0	1078
153076	20	37550	414	1109	3.20	-0.09	3.38			0	1079
153076	20	37100	164	7446	.27	-0.02	.29			C	1080
153076	20	36500	390	2676	3.25	.06	3.19			0	1081
153076	20	36500	433	2676	3.96	.08	3.88			0	1082
153076	20	36500	465	1846	5.62	.12	5.50			0	1083
153076	20	36500	532	317	3.07	-0.22	3.29			0	1084
153076	20	36500	533	356	-1.25	-0.11	-1.14			0	1085
153076	20	36500	537	454	-1.74	.10	-1.92			0	1086
153076	20	36500	540	469	-2.25	-0.21	-2.04			0	1087
153076	20	36500	553	552	-2.34	-0.09	-2.25			0	1088
153076	20	36500	567	513	4.68	.01	4.67			0	1089
153076	20	35550	330	2280	3.41	0	3.41			0	1090
153076	20	35550	355	2138	3.43	.06	3.37			0	1091
153076	20	35050	490	462	4.84	-0.37	5.21			0	1092
153076	20	35050	480	402	-0.81	-1.81	1.00			0	1093
153076	20	35050	487	805	5.79	.15	5.64			0	1094
153076	20	42350	314	5727	-0.03	-0.02	-0.01			0	1095
153076	21	43350	368	4387	-0.42	0	-0.42			0	1096
153076	21	43350	142	8258	-0.54	0	-0.54			0	1097
153076	21	43350	361	231	.91	.03	.88			0	1098
153076	21	42600	544	1335	5.61	.16	5.45			0	1099
153076	21	42600	489	7554	-0.79	-1.92	1.14			0	1100
153076	21	42600	371	8331	-0.61	.24	-0.95			0	1101
153076	21	42600	332	5753	.16	-0.07	.23			0	1102
153076	21	42600	380	8428	4.16	.05	4.11			0	1103
153076	21	42300	492	287	.43	.17	.26			0	1104
153076	21	42300	504	626	5.96	.08	5.88			0	1105
153076	21	42300	303	8314	-0.24	.11	-0.39			0	1106
153076	21	42300	522	403	1.28	.14	1.14			0	1107
153076	21	41750	506	662	5.28	.09	5.19			0	1108
153076	21	41750	545	293	3.04	-0.35	4.29			0	1109
153076	21	41750	570	475	-1.55	.12	-1.67			0	1110
153076	21	41750	566	663	6.52	.07	6.45			0	1111
153076	21	41200	485	280	.38	.15	.23			0	1112
153076	21	41200	400	524	4.91	-0.58	5.49			0	1113
153076	21	41200	407	518	-1.50	.01	-1.51			0	1114
153076	21	41200	184	8429	5.07	.05	5.92			0	1115
153076	21	40550	469	670	-0.32	.01	-0.33			0	1116
153076	21	40750	496	478	-0.91	-0.54	6.41			0	1117
153076	21	40750	496	478	-0.91	-1.57	1.06			0	1118

# ACCELEROMETER DATA

A/C SEP.NO. 153076 FLT.NO. 21 DATE 6/21/70 FLT.TIME 60MRS.

6.0G 7.0G 8.5G 30.0G  
 COUNTS BEFORE FLT 2667 5562 5855 793  
 COUNTS AFTER FLT 2675 5564 5855 793

DIFFERENCE 8 2 0 0

CG ACCEL. 6 1 0 0

FORE ACCEL. 7 1 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.8G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1011 5.88 5.96  
 1017 6.45 6.52  
 1021 5.92 5.97  
 1023 6.41 5.87  
 1032 5.76 5.84  
 1044 7.40 7.31  
 1063 6.73 6.74

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153076	21	40750	499	614	.40	.10	.30		31		1025
153076	21	40750	503	712	4.93	-0.14	5.07		31		1026
153076	21	40750	465	1452	5.55	.06	5.49		0		1027
153076	21	40750	240	1491	.16	.02	.14		0		1028
153076	21	40750	512	417	.50	.04	.42		0		1029
153076	21	40750	512	475	4.73	.03	5.13		0		1030
153076	21	40750	512	512	-0.35	.03	-0.38		0		1031
153076	21	40750	523	627	5.84	.04	5.76		0		1032
153076	21	39250	318	7153	.39	.06	.33		0		1033
153076	21	39250	546	932	4.48	.06	4.42		0		1034
153076	21	39250	521	561	.46	.10	.36		0		1035
153076	21	39250	520	401	.47	.03	.44		0		1036
153076	21	39250	514	1654	5.53	.10	5.43		0		1037
153076	21	39250	212	8441	.03	.01	.04		0		1038
153076	21	39250	371	2475	4.64	.05	4.59		0		1039
153076	21	39250	287	5102	.45	.01	.46		0		1040
153076	21	39250	213	8493	.46	.07	.53		0		1041
153076	21	39250	603	135	.59	.14	.45		0		1042
153076	21	39250	406	1168	5.66	.01	5.67		0		1043
153076	21	39250	514	1845	7.31	.09	7.40		0		1044
153076	21	39250	274	6671	.23	0	.23		0		1045
153076	21	39250	362	4442	4.58	.03	4.61		0		1046
153076	21	39250	322	5668	.28	.02	.30		0		1047
153076	21	39250	138	5718	.21	.01	.32		0		1048
153076	21	39250	474	1717	4.09	.02	4.16		0		1049
153076	21	37050	213	2598	.37	.02	.34		0		1050
153076	21	37050	501	685	4.11	.02	4.13		0		1051
153076	21	37050	501	537	.42	.01	.41		0		1052
153076	21	37050	515	574	-1.44	.03	-1.47		45		1053
153076	21	37050	531	589	-1.47	.12	-1.59		45		1054
153076	21	37050	537	589	-2.04	.01	-2.07		45		1055
153076	21	37050	545	685	-2.18	.01	-2.17		45		1056
153076	21	37050	547	776	-1.76	.18	-1.94		45		1057
153076	21	37050	548	773	-1.64	.05	-1.59		45		1058
153076	21	37050	546	809	5.22	.07	5.29		45		1059
153076	21	36850	311	5308	.25	.02	.27		0		1060
153076	21	35550	468	721	4.87	.04	5.29		41		1061
153076	21	35550	400	646	-0.58	.01	.98		41		1062
153076	21	35550	478	1212	6.74	.01	6.73		41		1063
153076	21	42250	562	262	-0.84	.01	-0.59		0		1064
153076	21	38050	511	422	3.32	.24	3.66		0		1065
153076	1	42200	480	1732	3.50	.03	3.53		0		2001
153042	1	42300	323	7451	3.81	.01	3.82		0		2002
153082	1	42050	457	754	4.46	.22	4.24		0		2003
153082	1	42050	420	517	3.08	.02	3.10		0		2004

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-0.09  
.22  
.20  
0  
3.44  
4.84  
4.44  
3.10



# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	SRCS WEIGHT	EOV. A/S (XNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRF-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AF)	MANUEVER CCODE	SEQUENCE NUMBER
1530A2	1	4100	473	374	4.38	-0.03	4.41	-0.02	4.35	0	2005
1530A2	1	4150	371	2898	2.22	-0.01	2.23	0	2.23	0	2006
1530A2	1	4150	416	1739	2.58	0	2.58	-0.04	2.54	0	2007
1530A2	1	41300	466	2157	1.99	0	1.99	0	1.99	0	2008
1530A2	1	41300	471	1805	2.01	0	2.01	0	2.10	0	2009
1530A2	1	41300	486	1092	2.08	-0.02	2.10	0	2.14	0	2010
1530A2	1	41300	489	592	2.09	-0.01	2.10	0	2.15	0	2011
1530A2	1	41300	496	499	2.07	-0.03	2.10	0	2.16	0	2012
1530A2	1	41300	495	422	2.11	-0.01	2.12	0	2.19	0	2013
1530A2	1	41300	493	370	2.25	-0.01	2.26	0	2.23	0	2014
1530A2	1	41300	474	882	3.52	0	3.52	-0.03	2.57	0	2015
1530A2	1	41300	745	4889	2.43	-0.01	2.44	0	2.44	0	2016
1530A2	1	41300	116	9818	2.47	-0.03	2.48	0	2.47	0	2017
1530A2	1	41300	432	1598	2.47	-0.13	2.56	0	2.34	0	2018
1530A2	1	41300	441	193	2.52	-0.04	2.56	0	2.51	0	2019
1530A2	1	41300	427	351	2.33	-0.01	2.34	0	2.36	0	2020
1530A2	1	41300	431	415	2.23	0	2.23	-0.04	2.19	0	2021
1530A2	1	41050	426	534	2.39	0	2.29	-0.01	2.28	0	2022
1530A2	1	41050	423	629	2.24	0	2.25	0	2.25	0	2023
1530A2	1	41050	384	1900	2.09	-0.02	2.11	0	2.12	0	2024
1530A2	1	41050	281	6751	1.99	0	1.97	0	2.00	0	2025
1530A2	1	41050	300	5875	2.16	0	2.16	0	2.14	0	2026
1530A2	1	41050	323	5311	2.75	-0.03	2.38	0	2.42	0	2027
1530A2	1	41050	357	4356	1.99	0	1.99	0	2.02	0	2028
1530A2	1	41050	366	4688	2.02	0	2.02	0	2.03	0	2029
1530A2	1	41050	376	3953	1.99	0	1.97	0	1.99	0	2030
1530A2	1	41050	417	2798	2.02	-0.03	2.05	0	2.06	0	2031
1530A2	1	41050	383	4545	2.15	0	2.13	0	2.12	0	2032
1530A2	1	41050	415	2368	2.10	-0.02	2.13	0	2.11	0	2033
1530A2	1	40750	441	2644	2.16	0	2.15	0	2.12	0	2034
1530A2	1	40750	431	3117	2.14	-0.02	2.12	0	2.14	0	2035
1530A2	1	40750	426	2222	2.16	-0.01	2.17	0	2.14	0	2036
1530A2	1	40750	375	4268	2.36	-0.06	2.30	0	2.35	0	2037
1530A2	1	40750	394	3619	2.24	0	2.24	0	2.23	0	2038
1530A2	1	40750	412	2687	2.42	-0.01	2.43	0	2.44	0	2039
1530A2	1	40450	486	1673	3.07	0	3.07	-0.01	3.16	0	2040
1530A2	1	40450	122	6868	2.23	0	2.23	0	2.27	0	2041
1530A2	1	40450	382	4754	2.95	0	2.94	0	2.95	0	2042
1530A2	1	40450	486	572	2.55	-0.03	2.33	0	2.30	0	2043
1530A2	1	40150	329	8724	1.97	0	1.92	0	1.93	0	2044
1530A2	1	40150	428	2520	2.21	-0.02	2.22	0	2.20	0	2045
1530A2	1	40150	303	7571	2.21	0	2.16	0	2.19	0	2046
1530A2	1	40150	456	2610	2.25	-0.04	2.29	0	2.24	0	2047
1530A2	1	40150	323	570	2.21	0	2.14	0	2.18	0	2048
1530A2	1	40200	326	1162	2.16	0	2.11	0	2.10	0	2049

# ACCELEROMETER DATA

A/C SER. NO. 153082 FLT. NO. 1 DATE 4/28/70 FLT. TIME 1.00HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 922 2840 1570 6110

COUNTS AFTER FLT 923 2840 1570 6110

DIFFERENCE 1 0 0 0

CG ACCEL. 1 0 0 0

FCSE ACCEL. 1 0 0 0

AFT ACCEL. 1 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.2G THRESHOLD FOR THIS FLIGHT

A-87

SEC. NO. CG ACCEL. FCSE ACCEL. AFT ACCEL.

2074 6.18 6.02 6.41

NADC-72021 VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153012	1	39200	326	1709	2.25	.09	2.16	.02	2.19	0	2050
153012	1	39200	325	1623	2.24	.07	2.17	.02	2.19	0	2051
153012	1	39200	319	2123	2.09	0	2.09	.02	2.11	0	2052
153012	1	39200	126	2102	.25	.05	.20	.02	.22	0	2053
153012	1	39200	381	2056	2.17	.03	2.08	0.02	2.06	0	2054
153012	1	39200	364	1745	2.17	-0.04	2.14	-0.02	2.06	0	2055
153012	1	38800	426	1792	3.25	.01	3.24	0	3.24	0	2056
153012	1	38800	153	2276	.43	.07	.36	.06	.42	0	2057
153012	1	38800	424	1872	3.41	-0.05	3.46	-0.07	3.39	0	2058
153012	1	38800	345	1421	2.01	.02	1.99	.05	2.04	0	2059
153012	1	38800	306	5648	2.02	.03	1.99	.04	2.03	0	2060
153012	1	38800	325	4806	2.09	-0.01	2.10	0	2.10	0	2061
153012	1	38800	366	4078	2.00	.04	1.96	-0.01	1.95	0	2062
153012	1	38800	431	3125	2.12	.01	2.11	.05	2.16	0	2063
153012	1	38800	435	1853	1.99	.03	1.96	.02	1.98	0	2064
153012	1	38400	416	1676	1.99	-0.03	2.02	.06	2.08	0	2065
153012	1	38400	396	701	2.01	.05	2.01	.07	2.08	0	2066
153012	1	38400	378	1067	2.01	0	1.96	-0.01	1.95	0	2067
153012	1	38400	378	1421	2.02	.07	2.02	.02	2.05	0	2068
153012	1	38400	394	1020	1.99	.04	1.92	.02	1.95	0	2069
153012	1	38400	387	828	2.06	0	1.96	.02	1.98	0	2070
153012	1	38200	464	1221	2.03	.06	1.97	.01	1.98	0	2071
153012	1	38200	478	626	2.02	.06	1.96	.03	1.99	0	2072
153012	1	38200	410	2516	6.02	-0.16	6.18	.23	6.41	0	2073
153012	1	38200	366	1666	-0.71	.34	-1.05	-0.08	-1.12	0	2074
153012	1	38200	324	5251	2.57	.02	2.55	.01	2.56	0	2075
153012	1	38200	103	5485	.08	.02	0	.05	.15	0	2076
153012	1	37950	407	2239	3.29	.04	3.25	.04	3.25	0	2077
153012	1	37700	377	526	1.97	.06	1.91	.02	1.94	0	2078
153012	1	37700	210	1750	2.13	.10	2.03	.07	2.10	0	2079
153012	1	37700	353	2392	.55	.08	.47	.04	.51	0	2080
153012	1	37700	343	2618	-0.07	-0.23	.26	.10	.36	0	2081
153012	1	37700	341	2634	-0.30	.04	3.34	.14	3.42	0	2082
153012	1	37000	330	2774	3.96	.04	-0.08	.15	.07	0	2083
153012	1	37000	247	741	.57	.04	2.92	.07	2.95	0	2084
153012	1	43200	441	1404	2.04	-0.01	.58	-0.46	.12	0	2085
153012	2	42850	441	2274	3.34	-0.04	2.08	-0.12	1.96	0	2086
153012	2	42850	144	2765	.30	.07	3.27	-0.09	3.18	0	2087
153012	2	42850	208	1791	3.74	.01	.29	.03	.32	0	2088
153012	2	42850	426	697	3.90	-0.07	3.81	.02	3.83	0	2089
153012	2	42850	424	209	3.49	.12	3.77	-0.10	3.67	0	2090
153012	2	42850	406	1669	2.87	.08	.47	-0.04	.42	0	2091
153012	2	42850	188	6256	.28	-0.11	3.79	-0.01	3.78	0	2092

NADC-72321 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	2	42850	345	7245	2.11	-0.09	2.20	-0.09	2.11	0	2009
1530A2	2	42800	460	627	5.32	.14	5.18	-0.17	5.01	0	2010
1530A2	2	42150	364	1049	2.69	-0.01	2.70	-0.01	2.56	0	2011
1530A2	2	42150	361	712	2.47	.00	2.35	-0.07	2.28	0	2012
1530A2	2	42150	380	354	2.49	.00	2.41	-0.02	2.24	0	2013
1530A2	2	42150	380	607	2.48	.16	2.32	.02	2.24	0	2014
1530A2	2	41850	301	2076	2.12	.06	2.10	-0.05	2.05	0	2015
1530A2	2	41850	431	659	2.37	.06	2.31	-0.07	2.24	0	2016
1530A2	2	41850	461	260	2.41	.02	2.35	-0.06	2.26	0	2017
1530A2	2	41850	461	260	2.41	.02	2.35	-0.06	2.26	0	2018
1530A2	2	41850	461	260	2.41	.02	2.35	-0.06	2.26	0	2019
1530A2	2	41850	282	2711	2.20	.02	2.20	-0.06	2.22	0	2020
1530A2	2	41850	472	6117	3.87	.09	3.78	-0.11	3.67	0	2021
1530A2	2	41850	404	365	2.36	.05	2.31	-0.07	2.24	0	2022
1530A2	2	41850	389	707	2.44	.10	2.34	-0.05	2.29	0	2023
1530A2	2	41850	391	1194	2.19	.04	2.15	-0.07	2.06	0	2024
1530A2	2	41850	376	6107	2.65	.02	2.67	-0.02	2.54	0	2025
1530A2	2	41850	380	1378	2.34	.02	2.32	-0.04	2.24	0	2026
1530A2	2	41850	411	732	2.08	.01	2.09	-0.14	1.95	0	2027
1530A2	2	41850	403	612	2.15	.02	2.13	-0.02	2.05	0	2028
1530A2	2	41850	374	1200	2.04	.12	1.96	-0.08	1.97	0	2029
1530A2	2	41850	385	626	2.21	.04	2.17	-0.13	2.04	0	2030
1530A2	2	41850	381	427	2.24	.04	2.20	-0.07	2.12	0	2031
1530A2	2	41850	378	1346	2.12	.03	2.09	-0.05	2.04	0	2032
1530A2	2	41850	380	190	2.09	.10	1.99	-0.02	1.96	0	2033
1530A2	2	41850	420	543	3.04	.07	2.97	-0.12	2.85	0	2034
1530A2	2	41850	407	653	2.46	.15	2.31	.0E	2.27	0	2035
1530A2	2	41850	371	2507	2.25	.04	2.21	-0.07	2.14	0	2036
1530A2	2	41850	377	5050	2.22	.07	2.15	-0.06	2.09	0	2037
1530A2	2	41850	381	4341	2.25	.05	2.20	-0.05	2.14	0	2038
1530A2	2	41850	382	2645	2.41	.05	2.32	-0.02	2.30	0	2039
1530A2	2	41850	424	2641	2.25	.05	2.16	-0.04	2.12	0	2040
1530A2	2	41850	458	1775	2.29	.05	2.24	-0.05	2.15	0	2041
1530A2	2	41850	480	1141	3.54	.07	3.47	-0.12	3.35	0	2042
1530A2	2	41850	386	1040	2.23	.08	2.15	-0.10	2.05	0	2043
1530A2	2	41850	427	2622	2.14	.00	2.05	-0.06	2.05	0	2044
1530A2	2	41850	470	574	2.14	-0.02	2.16	-0.11	2.05	0	2045
1530A2	2	41850	432	2252	3.54	.11	3.43	-0.12	3.28	0	2046
1530A2	2	41850	425	659	3.40	.11	3.37	-0.12	3.24	0	2047
1530A2	2	41850	297	1594	2.13	.04	2.09	.00	2.05	0	2048
1530A2	2	41850	317	1088	2.19	.04	2.15	-0.02	2.12	0	2049
1530A2	2	39050	174	1284	2.46	.12	2.34	-0.02	2.32	0	2050
1530A2	2	39050	132	7837	.48	.05	.43	.00	.42	0	2051
1530A2	2	39050	129	7824	.48	.05	.43	.01	.44	0	2052
1530A2	2	19650	367	1232	2.01	.06	2.02	-0.05	1.97	0	2053

# ACCELEROMETER DATA

A/C SER.NO. 183082 FLY.NO. 2 DATE 4/30/70 FLY.TIME 97HRS.

6.0G 7.0G 8.0G 9.0G 10.0G

COUNTS BEFORE FLY 824 2840 1570 6110

COUNTS AFTER FLY 825 2840 1570 6110

DIFFERENCE 1 0 0 0

CG ACCEL. 1 0 0 0

FORE ACCEL. 1 0 0 0

AFT ACCEL. 1 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT.

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2878 6.01 5.89 5.99

NADC-72021 VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	2	3950	311	5320	2.11	.09	2.02	-0.05	1.97	0	2054
1530A2	2	3950	476	573	2.12	.02	2.10	-0.01	2.09	0	2055
1530A2	2	3950	476	553	2.18	.05	2.13	-0.06	2.07	0	2056
1530A2	2	3950	450	1503	3.22	.10	3.12	-0.12	3.00	0	2057
1530A2	2	39150	205	6729	2.20	.02	2.18	-0.08	2.10	0	2058
1530A2	2	39150	437	1579	3.36	.12	3.24	-0.11	3.12	0	2059
1530A2	2	39150	411	680	2.38	.06	2.32	-0.02	2.30	0	2060
1530A2	2	39150	412	814	2.29	.07	2.22	-0.07	2.15	0	2061
1530A2	2	38000	300	6279	2.25	.03	2.22	-0.08	2.14	0	2062
1530A2	2	38000	315	5867	2.27	.05	2.22	-0.06	2.16	0	2063
1530A2	2	38000	320	5605	2.30	.02	2.27	-0.10	2.17	0	2064
1530A2	2	38000	344	4118	2.54	.06	2.52	-0.11	2.41	0	2065
1530A2	2	38000	307	7056	2.42	.11	2.31	-0.01	2.30	0	2066
1530A2	2	38000	475	1391	2.04	0	2.04	-0.12	1.96	0	2067
1530A2	2	38000	399	1545	2.07	0	2.07	-0.10	1.97	0	2068
1530A2	2	38000	425	458	2.26	.04	2.22	-0.08	2.14	0	2069
1530A2	2	38000	425	470	2.14	-0.03	2.17	-0.09	2.08	0	2070
1530A2	2	38000	422	553	2.15	.06	2.09	-0.04	2.05	0	2071
1530A2	2	38000	422	637	2.19	.05	2.13	-0.11	2.02	0	2072
1530A2	2	38000	416	648	2.15	.02	2.12	-0.12	2.00	0	2073
1530A2	2	38000	414	585	2.14	.02	2.12	-0.12	1.99	0	2074
1530A2	2	38000	420	3778	3.27	.05	3.18	-0.07	3.11	0	2075
1530A2	2	38000	440	1106	2.13	-0.02	2.15	-0.03	2.12	0	2076
1530A2	2	38000	462	678	2.91	.04	2.87	-0.11	2.76	0	2077
1530A2	2	38000	410	2448	5.89	-0.12	6.01	-0.02	5.89	0	2078
1530A2	2	38000	375	2824	-0.40	.15	-0.55	.05	-0.50	0	2079
1530A2	2	38000	342	4229	3.56	.10	3.46	-0.17	3.39	0	2080
1530A2	2	38000	105	8217	.14	-0.01	.15	0	.15	0	2081
1530A2	2	38000	308	3068	3.63	.02	3.55	-0.16	3.39	0	2082
1530A2	2	38000	427	680	2.16	-0.02	2.18	-0.08	2.10	0	2083
1530A2	2	38150	342	4668	2.10	.04	2.06	-0.07	1.99	0	2084
1530A2	2	38150	374	3551	2.31	.08	2.23	-0.06	2.17	0	2085
1530A2	2	38150	380	3145	2.24	.07	2.17	-0.05	2.12	0	2086
1530A2	2	37700	322	754	-0.28	-0.49	.21	.06	.27	0	2087
1530A2	2	37700	300	997	2.78	.06	2.72	-0.05	2.67	0	2088
1530A2	2	37400	345	784	-0.15	-0.44	.29	.02	.32	0	2089
1530A2	2	37400	345	586	2.71	.09	2.62	-0.04	2.58	0	2090
1530A2	2	37400	334	533	2.36	.06	2.30	-0.04	2.26	0	2091
1530A2	2	36800	338	773	-0.09	-0.42	.33	.10	.42	0	2092
1530A2	2	36800	334	531	2.74	.06	2.72	-0.02	2.70	0	2093
1530A2	2	35700	345	586	2.15	-0.05	2.24	0	2.24	0	2094
1530A2	2	35700	330	618	2.31	.07	2.24	0	2.24	0	2095
1530A2	2	35300	331	671	2.25	.09	2.16	.10	2.26	0	2096
1530A2	2	35300	328	692	2.33	.04	2.25	-0.01	2.24	0	2097
1530A2	2	45640	177	6529	.31	.01	.30	-0.05	.25	0	1001

NADC-72221 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153002	2	44500	427	3585	2.04	.05	1.99	-0.18	1.81	0	1002
153002	2	44000	461	2325	2.03	.03	2.00	-0.21	1.79	0	1003
153002	2	44000	471	2046	2.19	.03	2.15	-0.17	1.98	0	1004
153002	2	44000	484	1550	2.11	-0.01	2.12	-0.14	1.98	0	1005
153002	2	44000	499	170	2.15	.04	2.31	-0.19	2.12	0	1006
153002	2	44000	507	593	2.15	-0.02	2.17	-0.17	2.00	0	1007
153002	2	44000	507	517	2.07	.02	2.05	-0.06	1.99	0	1008
153002	2	44000	500	434	2.33	.04	2.29	-0.20	2.05	0	1009
153002	2	44000	510	370	2.46	.04	2.42	-0.09	2.32	0	1010
153002	2	44000	457	1828	2.59	.08	2.51	-0.22	2.29	0	1011
153002	2	44000	151	9760	2.23	-0.01	.24	-0.07	2.17	0	1012
153002	2	44000	312	7825	2.59	-0.13	3.72	-0.10	2.62	0	1013
153002	2	44000	322	5481	2.29	.01	2.27	-0.16	2.11	0	1014
153002	2	44000	432	761	2.47	.05	3.42	-0.23	2.19	0	1015
153002	2	44000	442	368	2.24	.03	.25	.02	.27	0	1016
153002	2	44000	454	663	2.90	.16	3.74	-0.19	3.55	0	1017
153002	2	44000	155	6636	.22	0	.32	-0.07	.26	0	1018
153002	2	44000	174	6326	.14	-0.09	.23	.03	.26	0	1019
153002	2	44000	199	5512	.57	.01	.56	-0.26	.20	0	1020
153002	2	44000	345	2027	2.06	-0.03	2.09	-0.11	1.98	0	1021
153002	2	44000	362	2617	2.35	.05	2.30	-0.14	2.16	0	1022
153002	2	44000	469	512	1.99	.02	1.97	-0.16	1.81	0	1023
153002	2	44000	469	408	.43	.01	.42	-0.14	.28	C	1024
153002	2	44000	482	774	5.62	.10	5.52	-0.09	5.42	0	1025
153002	2	44000	284	2073	2.09	.03	2.06	-0.09	1.97	0	1026
153002	2	44000	324	2536	.31	-0.01	.32	-0.07	.25	0	1027
153002	2	44000	370	1442	2.21	-0.02	2.23	-0.20	2.02	0	1028
153002	2	44000	400	771	2.33	.04	2.29	-0.15	2.10	0	1029
153002	2	44000	405	622	2.60	.22	2.28	.06	2.24	0	1030
153002	2	44000	406	528	2.64	.03	2.61	-0.19	2.42	0	1031
153002	2	44000	404	482	2.07	.04	2.03	-0.13	1.90	0	1032
153002	2	44000	404	525	2.21	.08	2.15	-0.12	2.03	0	1033
153002	2	44000	404	673	2.71	.08	2.23	-0.19	2.04	0	1034
153002	2	44000	332	4566	2.31	.05	2.26	-0.20	2.06	0	1035
153002	2	44000	347	4490	2.38	.12	2.26	-0.14	2.12	0	1036
153002	2	44000	381	3515	2.35	.08	2.27	-0.16	2.11	0	1037
153002	2	44000	307	3153	2.47	.01	2.46	-0.18	2.28	0	1038
153002	2	44000	426	2239	2.07	.09	1.98	-0.09	1.89	0	1039
153002	2	44000	406	463	2.78	.05	2.73	-0.18	2.55	0	1040
153002	2	44000	489	516	3.62	.05	2.57	-0.22	2.35	0	1041
153002	2	44000	471	1177	3.38	.09	3.29	-0.25	3.04	0	1042
153002	2	44000	341	5275	2.25	.08	2.17	-0.16	2.01	0	1043
153002	2	44000	321	5926	2.13	.03	2.10	-0.15	1.95	0	1044
153002	2	44000	157	1019	.32	-0.02	.34	-0.07	.27	0	1045
153002	2	44000	376	4641	3.04	.07	2.97	-0.24	2.73	0	1046

# NADC-72021 VT

PUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, A/S (KNOTS)	ALTITUDE	NZ FCRE	N2 DIFF. (FCRF-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFY	MANUEVER CODE	SEQUENCE NUMBER
1530A2	2	42000	454	633	2.99	.02	2.97	-0.15	2.82	0	1047
1530A2	2	42000	454	2015	1.99	.08	1.91	-0.07	1.84	0	1048
1530A2	2	42450	314	4259	2.03	.02	2.01	-0.11	1.90	0	1049
1530A2	2	42450	324	4140	2.07	.03	2.04	-0.17	1.87	0	1050
1530A2	2	42450	377	3747	2.60	.06	2.54	-0.15	2.39	0	1051
1530A2	2	42450	370	3602	2.43	.09	2.34	-0.14	2.20	0	1052
1530A2	2	42450	342	3239	2.34	.06	2.28	-0.16	2.12	0	1053
1530A2	2	42450	348	3000	2.67	.08	2.59	-0.23	2.16	0	1054
1530A2	2	42450	362	2011	2.29	.02	2.26	-0.16	2.10	0	1055
1530A2	2	42450	362	2720	.30	.02	.28	-0.01	.27	0	1056
1530A2	2	42450	317	2306	2.23	.01	2.22	-0.15	2.07	0	1057
1530A2	2	42450	356	1803	2.47	.07	2.40	-0.15	2.25	0	1058
1530A2	2	42450	372	1432	2.54	.06	2.52	-0.15	2.37	0	1059
1530A2	2	42450	377	965	2.31	.14	2.17	-0.11	2.06	0	1060
1530A2	2	42450	347	866	2.72	.06	2.66	-0.17	2.09	0	1061
1530A2	2	42450	346	4262	2.02	.02	1.99	-0.14	1.85	0	1062
1530A2	2	42450	267	3604	2.27	.01	2.26	-0.14	2.12	0	1063
1530A2	2	42450	311	3609	2.39	.01	2.38	-0.11	2.27	0	1064
1530A2	2	42450	322	3200	2.64	0	2.64	-0.12	2.51	0	1065
1530A2	2	42450	359	1736	2.72	.05	2.67	-0.20	2.47	0	1066
1530A2	2	42450	367	1137	2.44	.11	2.37	-0.09	2.28	0	1067
1530A2	2	42450	373	923	2.26	.11	2.29	-0.13	2.10	0	1068
1530A2	2	42450	372	795	2.13	.34	2.04	-0.14	1.90	0	1069
1530A2	2	42450	380	581	2.13	.09	1.79	.09	1.82	0	1070
1530A2	2	42450	397	890	2.11	.06	2.05	-0.06	1.99	0	1071
1530A2	2	42450	397	1608	2.25	.04	2.21	-0.16	2.03	0	1072
1530A2	2	42450	408	1545	2.37	.05	2.28	-0.14	2.14	0	1073
1530A2	2	42450	416	1296	2.37	.01	2.38	-0.22	2.15	0	1074
1530A2	2	42450	423	1049	2.52	.06	2.46	-0.21	2.25	0	1075
1530A2	2	42450	423	843	2.48	.04	2.44	-0.15	2.29	0	1076
1530A2	2	42450	432	724	2.44	.03	2.41	-0.19	2.22	0	1077
1530A2	2	42450	434	597	2.47	.07	2.36	-0.12	2.24	0	1078
1530A2	2	42450	430	451	2.32	.04	2.28	-0.10	2.10	0	1079
1530A2	2	42450	438	440	2.57	.02	2.55	-0.22	2.33	0	1080
1530A2	2	42450	442	440	2.52	.04	2.48	-0.18	2.30	0	1081
1530A2	2	42450	442	484	2.24	.02	2.22	-0.17	2.05	0	1082
1530A2	2	42450	441	527	2.12	.02	2.10	-0.16	1.94	0	1083
1530A2	2	42450	439	621	2.07	.05	2.02	-0.18	1.84	0	1084
1530A2	2	42450	432	772	2.10	.02	2.08	-0.22	1.86	0	1085
1530A2	2	42450	358	4192	.50	.09	.41	-0.10	.31	0	1086
1530A2	2	42450	358	5160	2.29	.05	2.24	-0.17	2.07	0	1087
1530A2	2	42450	375	4647	2.46	.08	2.38	-0.14	2.24	0	1088
1530A2	2	42450	416	3326	2.22	.11	2.11	-0.18	2.09	0	1089
1530A2	2	42450	452	1946	2.42	.06	2.36	-0.20	2.16	0	1090
1530A2	2	42450	451	1712	2.44	.07	2.37	-0.16	2.21	0	1091



# NADC-7-221 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV, A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153002	2	41050	404	3229	3.26	.11	3.15	-0.10	2.97	0	1092
153002	2	41050	173	2842	.47	.01	.46	-0.10	.36	0	1093
153002	2	41050	446	527	3.66	.06	3.57	-0.24	3.22	0	1094
153002	2	41050	367	4314	2.13	.06	2.07	-0.17	1.90	0	1095
153002	2	41050	365	4342	2.13	-0.01	2.14	-0.21	1.93	0	1096
153002	2	41050	364	4378	2.14	.04	2.10	-0.21	1.89	0	1097
153002	2	41050	301	2679	2.11	.02	2.03	-0.17	2.06	0	1098
153002	2	41050	416	2003	2.34	.02	2.32	-0.18	2.14	0	1099
153002	2	41050	416	1906	2.40	-0.01	2.49	-0.29	2.20	0	1100
153002	2	41050	428	1748	2.21	.04	2.17	-0.12	2.04	0	1101
153002	2	41050	424	1435	2.94	.02	2.92	-0.18	1.84	0	1102
153002	2	41050	481	507	2.16	0	2.16	-0.57	1.55	0	1103
153002	2	41050	455	1636	3.25	-0.02	3.27	-0.35	2.92	0	1104
153002	2	41050	447	1034	2.89	.06	2.83	-0.12	2.70	0	1105
153002	2	41050	448	442	2.47	.09	2.38	-0.14	2.24	0	1106
153002	2	41050	435	451	2.61	.05	2.56	-0.20	2.36	0	1107
153002	2	41050	326	566	2.09	.09	2.00	-0.14	1.86	0	1108
153002	2	41050	327	714	2.09	-0.02	2.11	-0.19	1.92	0	1109
153002	2	41050	329	871	2.27	.06	2.18	-0.19	2.02	0	1110
153002	2	41050	312	1014	2.24	.06	2.18	-0.19	1.95	0	1111
153002	2	41050	312	2018	2.14	.03	2.11	-0.20	1.91	0	1112
153002	2	41050	140	7198	.26	0	.26	-0.04	.22	0	1113
153002	2	41050	366	1168	2.84	.11	2.77	-0.18	2.59	0	1114
153002	2	41050	372	4178	2.16	.04	2.12	-0.24	1.88	0	1115
153002	2	41050	309	2543	2.15	.04	2.11	-0.20	1.91	0	1116
153002	2	41050	413	3203	2.11	.06	2.05	-0.16	1.89	0	1117
153002	2	41050	423	2934	2.08	.05	2.03	-0.15	1.88	0	1118
153002	2	39850	470	1509	2.22	.05	2.17	-0.28	2.29	0	1119
153002	2	39850	362	5495	2.57	.08	2.51	-0.16	2.35	0	1120
153002	2	39850	170	1763	.34	.01	.37	-0.08	.29	0	1121
153002	2	39850	301	4578	1.12	.07	1.05	-0.34	2.71	0	1122
153002	2	39850	474	7255	2.60	.08	2.52	-0.18	2.76	0	1123
153002	2	39850	444	2882	2.37	.02	2.28	-0.18	2.18	0	1124
153002	2	39850	452	2530	2.40	.02	2.41	-0.26	2.15	0	1125
153002	2	39850	478	1213	2.67	.05	2.62	-0.15	2.47	0	1126
153002	2	39850	470	1059	2.59	-0.02	2.61	-0.15	2.47	0	1127
153002	2	39850	482	751	2.80	.05	2.75	-0.15	2.56	0	1128
153002	2	39850	460	655	2.27	-0.02	2.29	-0.16	2.12	0	1129
153002	2	39850	456	770	2.12	-0.12	2.25	-0.17	2.08	0	1130
153002	2	39850	428	1164	2.03	.03	2.00	-0.18	1.82	0	1131
153002	2	39850	380	4630	2.27	.03	2.24	-0.19	2.05	0	1132
153002	2	39850	371	2434	2.14	.05	2.13	-0.15	1.98	0	1133
153002	2	39850	417	535	2.12	.01	2.11	-0.22	1.88	0	1134
153002	2	39850	403	550	1.98	-0.02	2.00	-0.17	1.87	0	1135
153002	2	29200	428	779	2.22	.03	2.19	-0.17	2.02	0	1136

# ACCELEROMETER DATA

A/C SER.NO. 193082 FLT.NO. 3 DATE 5/ 2/70 FLT.TIME .07HRS.

6.00 7.00 8.50 10.00

COUNTS BEFORE FLT 524 2040 1570 1110

COUNTS AFTER FLT 525 2040 1570 1110

DIFFERENCE 1 0 0 0

CG ACCEL. 1 0 0 0

FCRE ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.00 THRESHOLD FOR THIS FLIGHT

SEC. AC. CG ACCEL. FCRE ACCEL. AFT ACCEL.

1145 5.03 5.77 5.00

# ACCELEROMETER DATA

A/C SER. NO. 153082 FLT. NO. 4 DATE 5/3/70 FLT. TIME .52HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 525 2840 1570 6110

COUNTS AFTER FLT 525 2840 1570 6110

DIFFERENCE 0 0 0 0

CG ACCEL. 0 0 0 0

FCRE ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SER. NO. CG ACCEL. FCRE ACCEL. AFT ACCEL.

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	MANUEVER CODE	SEQUENCE NUMBER
153012	3	34200	474	504	2.29	.07	2.22	-0.17	0	1137
153012	3	34200	439	420	2.15	.05	2.10	-0.11	0	1138
153012	3	34200	473	492	2.28	.01	2.27	-0.22	0	1139
153012	3	34200	472	578	2.32	.02	2.30	-0.17	0	1140
153012	3	34200	473	411	2.05	.01	2.04	-0.18	0	1141
153012	3	34200	504	686	2.32	-0.07	2.39	-0.14	0	1142
153012	3	34200	483	421	2.09	.03	2.06	-0.05	0	1143
153012	3	34200	481	463	2.16	-0.01	2.17	-0.16	0	1144
153012	3	34200	428	2666	5.77	-0.06	5.83	-0.15	0	1145
153012	3	34200	378	2032	-1.05	.36	-1.41	-0.14	0	1146
153012	3	34200	332	4596	2.91	.07	2.84	-0.18	0	1147
153012	3	34200	147	2614	.17	0	.17	-0.08	0	1148
153012	3	34200	463	1104	3.13	.06	3.05	-0.22	0	1149
153012	3	34200	480	639	2.01	-0.04	2.05	-0.12	0	1150
153012	4	41200	329	1228	2.09	.02	2.07	-0.12	0	1151
153012	4	40200	337	1222	2.14	.04	2.10	-0.12	0	1152
153012	4	40200	340	1148	2.30	.02	2.28	-0.16	0	1153
153012	4	40200	340	1148	2.32	.04	2.28	-0.11	0	1154
153012	4	40200	379	1051	2.14	.06	2.08	-0.10	0	1155
153012	4	40200	377	1421	2.10	-0.01	2.11	-0.17	0	1156
153012	4	40200	370	1326	2.11	-0.02	2.13	-0.20	0	1157
153012	4	40200	368	263	2.64	.06	2.58	-0.10	0	1158
153012	4	40200	436	451	.43	.05	.38	-0.18	0	1159
153012	4	34700	452	772	4.78	.18	4.60	-0.12	0	1160
153012	4	34700	385	412	2.11	.01	2.10	-0.24	0	1161
153012	4	34700	340	1218	2.13	.03	2.10	-0.22	0	1162
153012	4	34700	342	1155	2.17	.01	2.16	-0.15	0	1163
153012	4	34000	366	726	2.59	-0.20	2.89	.30	0	1164
153012	4	34000	363	733	-1.35	.21	-1.56	-0.26	0	1165
153012	4	34000	368	1449	-0.47	.29	-0.76	-0.55	0	1166
153012	4	34000	355	1055	2.09	.04	2.05	-0.13	0	1167
153012	4	34000	357	1034	2.13	.08	2.05	-0.14	0	1168
153012	4	34000	354	1009	2.14	.03	2.11	-0.17	0	1169
153012	4	34000	353	597	2.10	.02	2.08	-0.22	0	1170
153012	4	34000	351	599	2.09	.04	2.05	-0.17	0	1171
153012	4	34000	349	1107	2.02	.01	2.01	-0.19	0	1172
153012	4	34000	369	1426	2.17	-0.06	2.23	-0.16	0	1173
153012	4	40200	397	1543	2.47	.06	2.41	-0.06	0	1174
153012	5	42500	423	1639	2.15	.02	2.13	.06	0	1175
153012	5	42500	428	779	2.18	-0.01	2.19	.07	0	1176
153012	5	42500	465	318	2.13	.01	2.12	.11	0	1177
153012	5	42500	483	128	.52	-0.09	.61	-0.06	0	1178
153012	5	42500	462	340	4.78	0	4.78	-0.06	0	1179
153012	5	42500	324	713	2.19	.03	2.16	.03	0	1180
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2001
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2002
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2003
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2004
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2005
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2006
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2007
153012	5	42500	364	3585	2.35	.03	2.32	0	0	2008

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EGV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	5	41700	410	2517	3.99	.05	3.94	-0.06	5.00	0	2009
1530B2	5	41500	150	2002	.41	-0.06	.47	.02	.50	0	2010
1530A2	5	41500	277	7148	3.25	-0.09	3.34	-0.04	3.20	0	2011
1530B2	5	41500	279	6029	2.74	-0.04	2.78	.19	3.97	0	2012
1530A2	5	41500	464	362	3.58	-0.03	3.61	-0.03	3.53	0	2013
1530B2	5	41500	491	416	5.29	.17	5.62	-0.06	5.56	0	2014
1530A2	5	41500	226	6108	.42	-0.20	.72	.19	.91	0	2015
1530B2	5	41500	247	5584	1.13	-1.03	2.16	.21	2.77	0	2016
1530A2	5	41500	263	5477	.44	.10	.34	-0.13	.21	0	2017
1530B2	5	41500	417	469	3.81	.05	3.76	-0.04	3.72	0	2018
1530A2	5	41500	404	598	4.71	-0.02	4.73	.02	4.75	0	2019
1530B2	5	41500	355	1589	2.81	.03	2.78	-0.02	2.70	0	2020
1530A2	5	40600	403	1598	2.26	-0.02	2.28	0	2.28	0	2021
1530B2	5	40100	392	1600	2.89	.01	2.88	-0.10	2.78	0	2022
1530A2	5	40100	410	479	4.54	.02	4.52	-0.04	4.48	0	2023
1530B2	5	39800	358	1550	2.34	.02	2.32	-0.02	2.29	0	2024
1530A2	5	39800	379	298	3.30	-0.66	3.76	.52	4.48	0	2025
1530B2	5	39800	372	233	-1.26	-0.76	-0.50	.15	-0.25	0	2026
1530A2	5	39800	373	436	-2.34	.59	-2.87	.21	-2.66	0	2027
1530B2	5	39800	345	501	2.38	0	2.74	-0.05	2.29	0	2028
1530A2	5	39500	318	1206	2.10	.02	2.08	-0.01	2.07	0	2029
1530B2	5	39500	449	417	2.44	.02	2.42	-0.07	2.35	0	2030
1530A2	5	39500	381	2355	2.38	.01	2.37	-0.05	2.32	0	2031
1530B2	5	39500	404	2524	2.09	.02	2.07	-0.01	2.06	0	2032
1530A2	5	39500	418	2060	2.11	.03	2.08	.02	2.10	0	2033
1530B2	5	39500	433	1441	2.10	-0.01	2.11	0	2.11	0	2034
1530A2	5	39000	429	493	2.24	.02	2.22	.02	2.24	0	2035
1530B2	5	39000	334	4380	2.14	.03	2.11	.01	2.12	0	2036
1530A2	5	39000	385	2711	2.23	.02	2.21	.06	2.27	0	2037
1530B2	5	39000	406	858	2.17	.03	2.14	.01	2.15	0	2038
1530A2	5	39000	384	1264	2.48	-0.05	2.53	-0.08	2.45	0	2039
1530B2	5	38500	321	553	2.27	.05	2.22	.02	2.24	0	2040
1530A2	5	38500	132	7624	.17	-0.02	.19	.05	.24	0	2041
1530B2	5	38500	355	1548	2.84	.01	2.83	-0.06	2.77	0	2042
1530A2	5	38000	416	588	2.44	.01	2.43	-0.05	2.36	0	2043
1530B2	5	38000	384	1338	2.26	.05	2.21	.04	2.25	0	2044
1530A2	5	38000	423	309	2.14	.06	2.08	.05	2.13	0	2045
1530B2	5	37000	371	2731	2.14	.01	2.17	0	2.17	0	2046
1530A2	5	36400	397	580	2.73	.03	2.70	-0.02	2.62	0	2047
1530B2	5	36400	303	846	4.28	.04	4.24	-0.04	4.20	0	2048
1530A2	5	36400	338	1630	3.52	.04	3.48	.02	3.48	0	2049
1530B2	5	36400	350	203	3.03	-0.67	3.70	.22	3.92	0	2050
1530A2	5	36400	349	159	-0.78	-0.78	0	.27	.27	0	2051
1530B2	5	35200	352	212	-1.44	.10	-1.54	-0.36	-1.90	0	2052
1530A2	5	35200	321	1252	.48	.09	.39	-0.42	-0.03	0	2053

# ACCELEROMETER DATA

A/C SER.NO. 153082 FLT.NO. 5 DATE 5/ 6/70 FLT.TIME 1.03HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 525 2840 1570 6110

COUNTS AFTER FLT 525 2840 1570 6110

DIFFERENCE 0 0 0 0

CG ACCEL. 0 0 0 0

FORE ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEG. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

NADC-72021 VT

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	5	35000	249	812	.37	.06	.31	-0.17	.14	0	2054
1530A2	6	41430	148	9387	.29	.03	.26	.05	.21	0	1055
1530A2	6	40000	371	6511	2.19	.05	2.14	.02	2.16	0	1056
1530A2	6	40000	447	3783	2.33	.01	2.32	.21	2.53	0	1057
1530A2	6	40000	441	3691	2.50	.04	3.86	-0.02	3.78	0	1058
1530A2	6	40000	150	12098	.14	.03	.11	.07	.18	0	1059
1530A2	6	40000	325	6528	2.89	-0.13	4.02	.06	4.08	0	1060
1530A2	6	40000	454	2847	.39	-0.03	.42	-0.06	.36	0	1061
1530A2	6	40000	475	2021	.50	.01	.49	-0.11	.32	0	1062
1530A2	6	40000	455	3771	4.20	.11	4.09	.04	4.12	0	1063
1530A2	6	39000	225	10051	.15	.26	-0.11	-0.24	-0.35	0	1064
1530A2	6	39000	453	2764	2.79	.06	2.73	-0.05	2.84	0	1065
1530A2	6	39000	440	2710	.41	-0.04	.45	-0.05	.40	0	1066
1530A2	6	39000	408	2228	4.90	.11	4.79	.08	4.87	0	1067
1530A2	6	39000	380	3771	2.71	.03	2.68	-0.01	2.67	0	1068
1530A2	6	39000	305	2389	2.13	-0.02	2.16	.02	2.18	0	1069
1530A2	6	39000	309	6686	.41	-0.02	.43	.01	.42	0	1070
1530A2	6	39000	309	3110	2.66	-0.02	2.68	-0.01	2.67	0	1071
1530A2	6	39000	345	3121	2.19	.02	2.17	.06	2.23	0	1072
1530A2	6	39000	341	7338	2.24	.05	2.19	.0	2.19	0	1073
1530A2	6	39000	357	4567	2.28	.02	2.26	.02	2.29	0	1074
1530A2	6	39000	329	7149	2.18	.02	2.16	.02	2.20	0	1075
1530A2	6	39000	303	6636	2.41	.06	2.35	.07	2.25	0	1076
1530A2	6	39000	457	758	2.27	.03	2.20	.09	2.29	0	1077
1530A2	6	39000	457	7478	2.61	-0.03	3.64	-0.04	3.60	0	1078
1530A2	6	39000	125	12577	.28	.05	.23	.10	.23	0	1079
1530A2	6	39000	420	7122	2.53	-0.03	3.56	-0.05	3.47	0	1080
1530A2	6	39000	348	5663	2.65	.03	2.62	.02	2.64	0	1081
1530A2	6	39000	346	3478	2.73	.07	2.26	.03	2.29	0	1082
1530A2	6	39000	397	3402	2.16	.08	2.28	.01	2.25	0	1083
1530A2	6	39000	328	5426	.42	.07	.35	.07	.42	0	1084
1530A2	6	39000	322	5788	.77	.02	.35	.06	.41	0	1085
1530A2	6	39000	367	4912	2.14	.06	2.08	.02	2.10	0	1086
1530A2	6	39000	390	7665	2.44	.02	2.42	.08	2.50	0	1087
1530A2	6	39000	413	3191	2.66	-0.01	2.67	-0.05	2.58	0	1088
1530A2	6	39000	404	3174	2.62	.06	2.54	.07	2.61	0	1089
1530A2	6	39000	371	4264	2.19	.01	2.18	-0.01	2.17	0	1090
1530A2	6	39000	324	6799	2.51	.03	2.28	.04	2.32	0	1091
1530A2	6	39000	373	5051	2.58	.03	2.58	-0.06	2.52	0	1092
1530A2	6	39000	305	1117	2.23	.03	2.20	.06	2.28	0	1093
1530A2	6	39000	378	2995	2.73	.04	2.69	-0.01	2.68	0	1094
1530A2	6	39000	314	4703	2.09	.01	2.08	.02	2.11	0	1095
1530A2	6	39000	330	6780	2.24	.0	2.34	.02	2.36	0	1096
1530A2	6	39000	413	7660	2.29	.04	2.21	.06	2.27	0	1097
1530A2	6	39000	410	4033	2.87	.16	3.69	.02	3.71	0	1098

# ACCELEROMETER DATA

A/C SER. NO. 153002 FLY. NO. 6 DATE 5/ 8/76 FLY. TIME .62HRS.

5.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 525 2840 1570 1110

COUNTS AFTER FLT 526 2040 1570 1110

DIFFERENCE

1 0 0 0

CG ACCEL.

1 0 0 0

FORE ACCEL.

1 0 0 0

AFT ACCEL.

1 0 0 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1126 6.48 6.43 6.45



# NADC-72021 VT

BURAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153002	6	38200	161	10893	.47	.02	.45	.05	.50	0	1100
153002	6	38200	385	4696	3.64	.00	3.56	-0.07	3.43	0	1101
153002	6	37700	401	5224	3.22	.01	3.21	.01	3.22	0	1102
153002	6	37700	463	3442	4.04	.00	3.96	-0.21	3.75	0	1103
153002	6	37700	423	4730	3.96	.06	3.90	-0.16	3.74	0	1104
153002	6	37700	281	4776	2.03	.06	1.97	.12	2.09	0	1105
153002	6	37200	322	3244	2.57	.02	2.55	.02	2.63	0	1106
153002	6	37200	302	4157	2.43	.10	2.33	.03	2.36	0	1107
153002	6	37200	274	5252	2.25	.06	2.19	.10	2.29	0	1108
153002	6	37200	96	5563	.12	.05	.07	.09	.16	0	1109
153002	6	37200	330	3843	2.87	.01	2.86	-0.04	2.82	0	1110
153002	6	37200	314	7549	2.17	.06	2.11	.07	2.18	0	1111
153002	6	36700	347	6548	2.41	.05	2.36	.05	2.36	0	1112
153002	6	36700	423	4733	2.23	.09	2.14	.11	2.25	0	1113
153002	6	36700	434	4015	3.65	.04	3.61	-0.06	3.55	0	1114
153002	6	36500	135	12854	.34	.02	.32	.05	.37	0	1116
153002	6	36500	356	5027	3.17	.04	3.13	-0.07	3.06	0	1117
153002	6	36500	371	6045	2.68	.03	2.65	-0.03	2.64	0	1118
153002	6	36500	406	3024	2.28	.06	2.31	.06	2.37	0	1119
153002	6	36500	303	7361	2.23	.03	2.20	.08	2.28	0	1120
153002	6	36500	387	4570	2.23	.09	2.14	.07	2.21	0	1121
153002	6	36500	421	7050	2.62	-0.01	2.63	-0.07	2.56	0	1122
153002	6	36500	416	5951	2.54	.05	2.49	.07	2.49	0	1123
153002	6	36500	188	10849	.39	.05	.33	.07	.40	0	1124
153002	6	36500	428	6240	3.01	.05	2.96	.01	2.97	0	1125
153002	6	36500	448	5573	6.43	-0.05	6.48	-0.03	6.45	0	1126
153002	6	36500	393	6421	.54	.12	.48	-0.14	.34	0	1127
153002	6	36500	347	8738	3.33	.01	3.21	-0.06	3.15	0	1128
153002	6	36500	144	12371	.32	.01	.31	.08	.29	0	1129
153002	6	36500	422	6092	3.62	.02	3.62	-0.14	3.48	0	1130
153002	6	36500	365	5867	2.51	.07	2.49	.03	2.48	0	1131
153002	6	36500	357	6064	2.22	.07	2.15	.07	2.18	0	1132
153002	6	36500	336	6462	2.27	.06	2.21	.04	2.28	0	1133
153002	6	35500	359	3430	-0.29	-0.24	-0.05	.04	-0.01	0	1134
153002	6	35500	353	3513	.21	-0.19	.40	.28	.68	0	1135
153002	6	35500	348	3577	3.11	.14	2.97	.09	3.06	0	1136
153002	6	35500	200	3772	.72	.15	.57	-0.22	.25	0	1137
153002	7	41300	150	7218	.39	.04	.35	.06	.41	0	1138
153002	7	40000	502	2276	2.14	-0.02	2.18	.02	2.20	0	1139
153002	7	40000	475	3677	4.51	-0.02	4.53	-0.11	4.42	0	1140
153002	7	39700	148	17014	.30	.07	.23	.02	.31	0	1141
153002	7	39700	321	9446	4.10	-0.06	4.16	.12	4.29	0	1142
153002	7	39700	424	3041	3.86	.00	3.86	.00	3.86	0	1143
153002	7	39700	432	2803	.54	.08	.46	.00	.46	0	1144
153002	7	39700	419	3896	4.33	.08	4.25	.04	4.29	0	1145

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFI/CG)	NZ AFI	MANUEVER CODE	SEQUENCE NUMBER
1530A2	7	39700	150	6429	.40	-0.01	.41	.04	.45	0	1146
1530A2	7	39700	165	6584	.07	-0.10	.25	.18	.43	0	1147
1530A2	7	39700	187	6502	.20	.17	.03	-0.11	-0.08	0	1148
1530A2	7	39700	421	2569	3.54	.03	3.51	-0.01	3.50	0	1149
1530A2	7	39700	404	2250	5.29	.01	5.28	.34	5.62	0	1150
1530A2	7	39300	307	5685	.51	.04	.43	.06	.45	0	1151
1530A2	7	39300	324	2621	2.15	.01	2.14	.07	2.21	0	1152
1530A2	7	39000	404	2010	2.65	-0.03	2.68	.03	2.71	0	1153
1530A2	7	39000	402	7196	2.45	-0.06	2.51	-0.01	2.50	0	1154
1530A2	7	39000	314	7632	2.19	.05	2.14	.07	2.21	0	1155
1530A2	7	39000	410	5191	2.27	.05	2.16	.06	2.24	0	1156
1530A2	7	39000	437	4314	2.23	.04	2.18	.05	2.27	0	1157
1530A2	7	39000	475	2953	2.65	.05	3.59	.11	2.29	0	1158
1530A2	7	39000	472	2059	.43	.02	.41	-0.02	3.57	0	1159
1530A2	7	39000	154	12184	3.67	.07	3.59	.04	.45	0	1160
1530A2	7	39000	405	4711	3.14	.07	3.07	-0.05	3.54	0	1161
1530A2	7	38500	369	5845	2.65	.06	2.59	-0.04	3.67	0	1162
1530A2	7	38500	420	2243	2.04	.04	2.28	.02	2.61	0	1163
1530A2	7	38500	396	2243	2.04	.03	2.01	.08	2.29	0	1164
1530A2	7	38500	412	2215	2.66	.05	2.66	-0.02	2.09	0	1165
1530A2	7	38500	367	5786	2.39	.05	2.34	-0.05	2.62	0	1166
1530A2	7	38500	400	4490	2.17	.03	2.08	.05	2.29	0	1167
1530A2	7	38500	415	3890	2.19	.03	2.16	-0.02	2.14	0	1168
1530A2	7	38500	301	2289	2.41	.02	2.38	-0.03	2.35	0	1169
1530A2	7	38500	403	2624	2.12	.04	2.04	.03	2.17	0	1170
1530A2	7	38000	374	5972	2.36	.05	2.71	.03	2.74	0	1171
1530A2	7	38000	467	2294	2.51	.03	2.46	.04	2.76	0	1172
1530A2	7	38000	450	2789	3.72	.05	3.67	-0.04	2.76	0	1173
1530A2	7	38000	307	4647	3.28	.02	3.26	-0.06	2.44	0	1174
1530A2	7	37500	356	7386	2.41	.06	3.35	-0.05	3.59	0	1175
1530A2	7	37500	461	2789	2.33	-0.04	2.37	.02	3.21	0	1176
1530A2	7	37500	461	3826	2.72	.05	3.67	.04	3.25	0	1177
1530A2	7	37500	164	12061	.46	.05	.35	.04	3.66	0	1178
1530A2	7	37500	402	6365	3.62	.03	3.59	.01	3.60	0	1179
1530A2	7	37000	399	4362	2.69	.05	2.64	.02	3.60	0	1180
1530A2	7	37000	206	4279	2.33	.04	2.29	.04	3.60	0	1181
1530A2	7	37000	127	10331	.33	.05	.26	.05	3.60	0	1182
1530A2	7	37000	347	4393	3.05	.05	3.00	-0.03	3.60	0	1183
1530A2	7	36500	344	3589	2.80	-0.07	2.87	.02	2.97	0	1184
1530A2	7	36500	412	4835	3.21	.03	3.40	-0.02	2.94	0	1185
1530A2	7	36500	442	2665	3.39	.05	3.46	-0.01	2.94	0	1186
1530A2	7	36500	147	12661	.39	-0.01	.40	.05	3.45	0	1187
1530A2	7	36500	437	2636	3.25	-0.01	3.20	-0.05	3.45	0	1188

# ACCELEROMETER DATA

A/C SER.NO. 193082 FLT.NO. 7 DATE 5/ 9/70 FLT.TIME .63HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 526 2840 1570 6110

COUNTS AFTER FLT 527 2840 1570 6110

DIFFERENCE 1 0 0 0

CG ACCEL. 1 0 0 0

FCRE ACCEL. 1 0 0 0

AFT ACCEL. 1 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FCRE ACCEL. AFT ACCEL.

1200 6.48 6.34 6.52

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AF7/CG)	NZ ART	MANUEVER CODE	SEQUENCE NUMBER
153002	7	76500	373	4321	2.34	.05	2.29	.02	2.32	0	1191
153002	7	76500	346	5121	2.17	.07	2.10	.12	2.22	0	1192
153002	7	76500	337	5231	2.14	.06	2.08	.13	2.21	0	1193
153002	7	76500	402	4374	2.41	.05	2.36	.09	2.45	0	1194
153002	7	76500	346	3534	2.36	-.01	2.37	.04	2.41	0	1195
153002	7	76500	405	3184	2.66	0	2.66	-.06	2.60	0	1196
153002	7	76500	381	3367	2.17	.05	2.12	.05	2.17	0	1197
153002	7	76500	410	7245	2.30	.02	2.35	-.02	2.34	0	1198
153002	7	76500	479	6310	2.35	0	2.35	-.01	2.34	0	1199
153002	7	76500	474	5702	6.34	-.14	6.48	.04	6.52	0	1200
153002	7	76500	393	6135	.07	.14	-.07	-.05	-0.12	0	1201
153002	7	76500	320	6036	2.24	.02	3.16	.04	2.28	0	1202
153002	7	76500	132	13579	.31	.07	.24	.11	2.37	0	1203
153002	7	76500	437	5669	2.46	.04	3.42	-.03	2.37	0	1204
153002	7	76500	393	4712	2.22	.04	2.18	.04	2.22	0	1205
153002	7	76500	378	6205	2.23	.02	2.21	.02	2.29	0	1206
153002	7	76500	310	6765	2.30	.01	2.29	.01	2.30	0	1207
153002	7	76500	307	6204	2.17	.02	2.09	.05	2.14	0	1208
153002	7	76500	308	6231	2.29	.04	2.25	.02	2.27	0	1209
153002	7	76500	370	7430	-.029	-.06	.27	-.07	.34	0	1210
153002	7	76500	355	7736	3.74	-.06	3.80	-.14	3.66	0	1211
153002	7	76500	156	6819	.31	.06	.25	.10	2.55	0	1212
153002	7	76500	475	2094	2.49	.02	2.46	.02	2.46	0	1213
153002	7	76500	146	11518	.38	.02	.30	.11	.41	0	1214
153002	7	76500	378	7096	5.08	-.12	5.21	.67	5.86	0	1215
153002	7	76500	478	1060	3.89	.12	3.77	.01	3.78	0	1216
153002	7	76500	470	694	.40	.10	.30	.04	.34	0	1217
153002	7	76500	459	1713	4.42	-.06	4.50	-.16	4.24	0	1218
153002	7	76500	203	6584	.39	.08	.31	-.11	.20	0	1219
153002	7	76500	457	1288	2.35	.16	2.19	-.05	2.24	0	1220
153002	7	76500	466	760	3.35	-.12	3.47	.08	2.55	0	1221
153002	7	76500	466	652	.51	.27	.24	.02	2.55	0	1222
153002	7	76500	467	663	.41	.10	.31	.04	.24	0	1223
153002	7	76500	532	654	6.17	.02	6.15	-.02	6.03	0	1224
153002	7	76500	444	2230	3.65	-.02	3.67	-.02	3.62	0	1225
153002	7	76500	379	1131	3.09	-.02	3.11	.04	3.15	0	1226
153002	7	76500	377	4032	2.66	.04	2.62	.06	2.68	0	1227
153002	7	76500	456	1498	2.74	-.04	2.78	-.06	2.77	0	1228
153002	7	76500	450	1472	3.34	.03	3.31	-.01	3.30	0	1229
153002	7	76500	425	1447	3.73	-.01	3.74	-.05	3.69	0	1230
153002	7	76500	781	4468	3.14	.07	3.07	.0	3.07	0	1231
153002	7	76500	437	1164	2.88	.09	2.19	.49	2.38	0	1232
153002	7	76500	474	1843	2.65	.04	2.61	.12	2.74	0	1233
153002	7	76500	377	1146	2.23	.08	2.15	.14	2.29	0	1234
153002	7	76500	342	1701	2.65	.01	2.64	.35	2.66	0	1235
153002	7	76500	342	1701	2.65	.01	2.64	.35	2.66	0	1236

# ACCELEROMETER DATA

A/C SER.NO. 153002 FLT.NO. 8 DATE 5/10/70 FLT.TIME .63HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 927 2840 1570 1110

COUNTS AFTER FLT 930 2840 1570 1110

DIFFERENCE 3 0 0 0

CG ACCEL. 2 0 0 0

FORE ACCEL. 2 0 0 0

AFT ACCEL. 2 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.2G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1216	5.21	5.08	5.28
1225	6.15	6.17	6.03
1267	5.98	5.99	6.40

# NADC-72021 VT

SURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153092	8	38000	350	5142	2.40	.05	2.35	.04	2.39	0	1237
153092	8	38000	443	2797	2.30	.10	2.20	.08	2.28	0	1238
153082	8	38000	501	1006	2.23	.06	2.17	.12	2.29	0	1239
153082	8	38000	457	2467	3.73	.04	3.69	-0.02	3.67	0	1240
153082	8	37600	477	1507	3.08	.07	3.01	.06	3.07	0	1241
153082	8	37600	367	5724	2.79	.09	2.70	.08	2.78	0	1242
153082	8	37600	414	2579	3.05	0	3.05	-0.16	2.89	0	1243
153082	8	37600	462	887	2.57	-0.01	2.58	.02	2.60	0	1244
153082	8	37600	440	2128	3.53	0	3.53	-0.04	3.49	0	1245
153082	8	37200	413	2203	3.40	.02	3.38	.06	3.44	0	1246
153082	8	36500	329	1299	2.48	.12	2.35	.11	2.46	0	1247
153082	8	36500	343	2572	2.14	.05	3.09	-0.06	3.03	0	1248
153082	8	36500	360	1664	2.16	.14	2.02	.01	2.14	0	1249
153082	8	36100	375	7403	2.45	.06	2.39	.07	2.42	0	1250
153082	8	36100	473	1875	3.43	.07	3.36	-0.02	3.24	0	1251
153082	8	36100	415	4294	3.42	.07	3.39	-0.07	3.22	0	1252
153082	8	36100	462	1023	3.02	0.01	3.03	.23	3.26	0	1253
153082	8	35800	402	1881	2.36	.03	2.33	.09	2.42	0	1254
153082	8	35800	352	2577	2.09	.04	2.05	.06	2.11	0	1255
153082	8	35800	355	4795	2.89	.05	2.84	.07	2.87	0	1256
153082	8	35800	425	888	2.13	.05	2.08	.11	2.19	0	1257
153082	8	35800	418	597	2.13	.05	2.08	.07	2.15	0	1258
153082	8	35800	410	1190	2.31	.04	2.27	.05	2.32	0	1259
153082	8	35800	382	1651	2.23	.06	2.17	.09	2.26	0	1260
153082	8	35500	376	1040	2.23	.06	2.15	.08	2.23	0	1261
153082	8	35500	371	1272	2.24	.08	2.16	.16	2.32	0	1262
153082	8	35500	360	1642	2.12	.04	2.08	.13	2.21	0	1263
153082	8	35500	300	3748	.51	.12	.39	.05	.44	0	1264
153082	8	35500	345	5247	2.45	.09	2.36	.05	2.41	0	1265
153082	8	35500	402	2555	2.11	.05	2.06	.09	2.15	0	1266
153082	8	35500	398	3773	5.99	.01	5.98	.42	6.40	0	1267
153082	8	35500	352	3719	.11	.07	.04	.10	.14	0	1268
153082	8	35500	304	5743	2.84	.07	2.77	.04	2.81	0	1269
153082	8	35500	352	4710	2.29	.07	2.22	.07	2.29	0	1270
153082	8	35500	477	1310	2.65	.06	2.59	.15	2.78	0	1271
153082	8	35500	452	887	2.14	.07	2.07	.05	2.12	0	1272
153082	8	35500	444	1202	2.27	.01	2.26	.08	2.34	0	1273
153082	8	35500	404	2335	2.60	.06	2.62	.04	2.66	0	1274
153082	8	35500	384	2145	2.21	.06	2.15	.09	2.24	0	1275
153082	8	35000	263	4856	2.16	.07	2.09	.08	2.17	0	1276
153082	8	43800	402	3706	3.49	.17	3.32	-0.08	3.24	0	2001
153082	8	43800	388	5767	.12	-0.27	.49	.18	.67	0	2002
153082	8	43800	302	6384	.37	.10	.27	-0.24	-0.07	0	2003
153082	8	43800	258	8252	2.08	.08	2.00	.08	2.00	0	2004
153082	8	43800	208	6539	-0.45	-0.03	-0.42	.95	-0.27	0	2005

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCORE	NZ DIFF. (FCORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153002	9	43000	476	1155	4.38	.14	4.24	-0.14	5.10	0	2006
153002	9	43000	508	733	.31	-0.05	.36	-0.22	.13	0	2007
153002	9	43000	503	594	6.80	.25	6.55	-0.09	6.46	0	2008
153002	9	43000	324	6967	2.06	.02	2.04	-0.02	1.99	0	2009
153002	9	43000	325	7006	1.34	.06	2.20	-0.07	2.21	0	2010
153002	9	43000	378	6113	2.30	-.003	2.33	-0.15	2.16	0	2011
153002	9	43000	384	6319	2.32	.09	3.23	-0.04	2.19	0	2012
153002	9	43000	381	6392	2.33	.05	2.28	-0.07	2.21	0	2013
153002	9	43000	378	6205	3.07	.04	3.03	0	2.02	0	2014
153002	9	43000	363	7537	2.53	.03	2.50	-0.06	2.44	0	2015
153002	9	43000	352	8230	2.63	0	3.63	-0.07	2.56	0	2016
153002	9	43000	387	7109	2.40	.01	2.39	-0.07	2.22	0	2017
153002	9	43000	426	6105	2.97	.07	2.90	-0.12	2.78	0	2018
153002	9	43000	479	5065	3.07	.08	2.99	0	2.99	0	2019
153002	9	43000	568	1449	4.45	.10	4.35	-0.11	4.24	0	2020
153002	9	43000	548	302	1.96	-0.10	2.06	.05	2.11	0	2021
153002	9	43000	557	387	7.08	-0.30	7.38	.15	7.53	0	2022
153002	9	43000	553	714	-0.37	-0.46	-1.73	-0.51	-1.72	0	2023
153002	9	43000	548	510	-0.37	.01	-0.38	-0.02	-0.41	0	2024
153002	9	43000	541	250	4.74	.20	4.89	.61	5.50	0	2025
153002	9	43000	542	563	7.16	.30	6.86	-0.12	6.74	0	2026
153002	9	43000	304	7492	.53	.07	.46	-0.04	.42	0	2027
153002	9	43000	364	5191	.41	.04	.37	-0.10	.27	0	2028
153002	9	43000	320	7304	2.47	.07	2.40	-0.11	2.29	0	2029
153002	9	43000	307	7679	2.49	.03	2.46	-0.09	2.27	0	2030
153002	9	43000	302	7744	2.32	.07	2.25	-0.02	2.23	0	2031
153002	9	43000	297	7628	2.69	.02	2.61	0	2.61	0	2032
153002	9	43000	287	7681	2.37	.02	2.35	-0.05	2.26	0	2033
153002	9	43000	301	7980	2.61	.02	2.63	0	2.63	0	2034
153002	9	43000	324	7524	2.86	.01	3.01	-0.21	2.80	0	2035
153002	9	43000	356	6956	2.05	-0.15	2.15	-0.04	2.11	0	2036
153002	9	43000	306	6213	2.76	.05	2.71	-0.02	2.63	0	2037
153002	9	43000	464	4957	2.52	.08	2.44	-0.04	2.40	0	2038
153002	9	43000	526	3250	3.08	.03	3.05	-0.15	2.90	0	2039
153002	9	43000	545	666	3.34	.02	3.36	-0.11	3.25	0	2040
153002	9	43000	555	430	3.24	.03	3.21	-0.11	3.10	0	2041
153002	9	43000	555	735	1.92	-0.05	1.97	.01	1.98	0	2042
153002	9	43000	512	229	.56	.02	.54	-0.22	.31	0	2043
153002	9	43000	246	6974	1.84	-0.11	1.95	.05	2.00	0	2044
153002	9	43000	205	7024	-0.54	-0.05	-0.49	-0.02	-0.57	0	2045
153002	9	43000	345	5158	2.77	.03	2.74	-0.15	2.65	0	2046
153002	9	43000	376	3879	2.98	.10	3.78	-0.12	3.66	0	2047
153002	9	43000	347	3873	2.47	-0.02	2.49	-0.12	2.46	0	2048
153002	9	43000	359	4205	2.64	-0.02	2.66	-0.02	2.63	0	2049
153002	9	43000	376	5222	2.33	.04	2.29	-0.06	2.23	0	2050
153002	9	43000	376	5222	2.33	.04	2.29	-0.06	2.23	0	2051

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BURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	ENV. M/S (KNOTS)	ALTITUDE	NZ FPE	NZ DIFF. (FCME-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1520A2	0	42700	300	6284	2.28	.03	2.25	-0.07	2.10	0	2052
1530A2	0	42700	288	7111	2.24	.02	2.21	-0.09	2.12	0	2053
1530A2	0	42700	277	7876	2.09	-0.02	2.11	.01	2.12	0	2054
1530A2	0	42700	274	8112	2.35	.04	2.31	-0.02	2.25	0	2055
1530A2	0	42700	273	7993	.17	.12	.05	.05	.19	0	2056
1530A2	0	42700	270	7966	.76	.25	.01	-0.05	-0.04	0	2057
1530A2	0	42700	265	7835	.58	.21	.37	-0.06	.31	0	2058
1530A2	0	42700	340	7150	.17	.08	.09	-0.04	.05	0	2059
1530A2	0	42700	356	6824	.22	.0	.22	-0.06	.16	0	2060
1530A2	0	42700	375	6452	.18	-0.04	.22	-0.11	.11	0	2061
1530A2	0	42700	383	6128	.30	.11	.28	-0.10	.12	0	2062
1530A2	0	42700	382	5831	1.87	-0.05	1.92	-0.18	1.74	0	2063
1530A2	0	42700	387	5785	1.86	-0.08	1.94	-0.21	1.73	0	2064
1530A2	0	42700	431	4553	4.70	.14	4.56	-0.16	4.40	0	2065
1530A2	0	42700	485	3074	4.32	.06	4.26	-0.12	4.02	0	2066
1530A2	0	42700	555	672	3.92	.13	3.79	-0.02	3.77	0	2067
1530A2	0	42700	468	692	4.29	.15	4.05	-0.11	3.94	0	2068
1530A2	0	41500	216	8550	-0.16	.05	-0.21	-0.06	-0.27	0	2069
1530A2	0	41500	443	2852	5.03	.17	4.83	-0.17	4.66	0	2070
1530A2	0	41500	518	669	6.04	.22	5.82	-0.17	5.65	0	2071
1530A2	0	41500	480	655	2.85	.0	2.85	-0.12	2.67	0	2072
1530A2	0	41500	450	1531	2.87	.05	2.82	-0.12	2.70	0	2073
1530A2	0	41500	413	2321	3.26	.10	3.16	-0.12	3.04	0	2074
1530A2	0	41500	396	2574	1.93	-0.08	2.01	-0.16	1.85	0	2075
1530A2	0	41500	397	2603	2.77	.15	2.57	-0.05	2.52	0	2076
1530A2	0	41500	407	2166	2.34	.02	2.35	-0.06	2.29	0	2077
1530A2	0	41500	417	1294	1.50	-0.01	2.00	-0.05	1.95	0	2078
1530A2	0	41500	412	1713	2.56	.0	2.56	-0.11	2.45	0	2079
1530A2	0	41500	306	2322	2.86	.06	2.80	-0.12	2.68	0	2080
1530A2	0	41500	378	3190	3.15	.10	3.05	-0.15	2.90	0	2081
1530A2	0	41500	273	5923	.31	.02	.28	.01	.29	0	2082
1530A2	0	41500	206	5246	2.37	-0.05	2.42	-0.05	2.37	0	2083
1530A2	0	41500	315	4659	2.16	.04	2.12	-0.11	2.01	0	2084
1530A2	0	41500	350	3510	.13	.01	.12	.0	.12	0	2085
1530A2	0	41500	394	2652	2.68	.07	2.61	-0.07	2.54	0	2086
1530A2	0	41500	429	1346	2.81	.02	2.79	-0.07	2.71	0	2087
1530A2	0	41500	461	638	3.30	.07	3.27	-0.10	3.13	0	2088
1530A2	0	41500	466	343	2.42	.05	2.37	-0.06	2.31	0	2089
1530A2	0	41500	466	291	2.03	-0.06	2.09	-0.06	2.01	0	2090
1530A2	0	41500	454	738	4.38	.14	4.24	-0.20	4.04	0	2091
1530A2	0	41500	208	7941	-0.35	.0	-0.35	-0.02	-0.22	0	2092
1530A2	0	41500	410	3117	5.13	.15	4.98	-0.07	4.91	0	2093
1530A2	0	41500	503	202	4.23	-0.07	4.30	-0.21	3.99	0	2094
1530A2	0	41500	467	367	2.18	.01	2.17	-0.22	1.94	0	2095
1530A2	0	41500	477	671	4.77	.11	4.66	-0.16	4.50	0	2096



# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1520A2	9	4150	442	1146	3.00	.06	2.94	-0.05	2.89	0	2097
1530A2	9	41050	427	1404	3.44	.05	3.39	-0.12	3.27	0	2098
1520A2	9	41050	418	1512	2.67	.04	2.63	-0.14	2.49	0	2099
1530A2	9	41050	412	1521	2.50	.04	2.46	-0.12	2.32	0	2100
1530A2	9	41050	410	1516	2.41	.06	2.35	-0.11	2.24	0	2101
1530A2	9	411	411	1503	2.34	.01	2.33	-0.12	2.20	0	2102
1530A2	9	40000	400	1549	2.57	.03	2.54	-0.10	2.44	0	2103
1530A2	9	40000	406	1560	2.91	-0.05	2.86	-0.10	2.76	0	2104
1530A2	9	40000	412	1658	2.79	.03	2.76	-0.07	2.69	0	2105
1530A2	9	40000	410	1624	3.19	-0.02	3.21	-0.27	2.94	0	2106
1530A2	9	40000	400	1663	1.94	.04	1.90	-0.05	1.81	0	2107
1530A2	9	40000	375	3133	2.35	.05	2.26	-0.02	2.23	0	2108
1530A2	9	40000	359	3759	2.38	.01	2.37	-0.07	2.30	0	2109
1530A2	9	40000	203	7101	2.01	.06	2.17	-0.02	2.14	0	2110
1530A2	9	40000	320	7406	2.39	-0.01	2.40	-0.04	2.36	0	2111
1530A2	9	40000	342	7135	2.86	-0.01	2.87	-0.05	2.82	0	2112
1530A2	9	40000	471	4041	3.87	.10	3.77	-0.15	3.62	0	2113
1530A2	9	40000	483	7190	2.49	-0.15	2.64	-0.07	2.57	0	2114
1530A2	9	40000	499	2140	2.79	.14	2.65	-0.05	2.56	0	2115
1530A2	9	40000	508	1170	2.87	.07	2.80	-0.10	2.70	0	2116
1530A2	9	40000	522	562	2.09	.05	2.03	-0.10	2.53	0	2117
1530A2	9	40000	518	346	2.76	-0.05	2.81	-0.12	2.68	0	2118
1530A2	9	40000	492	625	4.39	.14	4.25	-0.17	4.08	0	2119
1530A2	9	40000	220	8414	-0.60	.08	-0.68	.11	-0.57	0	2120
1530A2	9	40000	380	4441	4.59	.16	4.53	.11	4.64	0	2121
1530A2	9	40000	491	436	2.56	.03	2.63	-0.06	2.57	0	2122
1530A2	9	40000	480	648	5.10	.15	4.95	-0.09	4.86	0	2123
1530A2	9	40000	471	1104	3.08	.02	3.06	-0.10	2.96	0	2124
1530A2	9	39750	399	1746	3.49	.05	3.40	-0.12	3.28	0	2125
1530A2	9	39750	307	1821	3.39	.05	3.34	-0.18	3.16	0	2126
1530A2	9	39750	400	1550	2.64	.15	2.49	.01	2.50	0	2127
1530A2	9	39750	427	3480	2.41	.02	2.39	-0.08	2.31	0	2128
1530A2	9	39750	418	1794	3.19	.07	3.12	-0.14	2.98	0	2129
1530A2	9	39750	368	2406	1.91	.04	1.87	.07	1.84	0	2130
1530A2	9	39750	362	7631	.42	-0.02	.44	-0.07	.37	0	2131
1530A2	9	39750	350	4451	3.22	-0.06	3.28	-0.14	3.14	0	2132
1530A2	9	39750	315	5017	2.57	.03	2.54	-0.15	2.39	0	2133
1530A2	9	39450	200	5559	2.13	-0.04	2.17	-0.11	2.06	0	2134
1530A2	9	39450	200	5768	2.17	.10	2.07	-0.02	2.04	0	2135
1530A2	9	39450	349	5567	3.11	0	3.11	-0.07	3.04	0	2136
1530A2	9	39450	340	5513	3.45	-0.10	3.55	-0.16	3.39	0	2137
1530A2	9	39450	408	4252	3.45	-0.03	3.48	-0.02	3.45	0	2138
1530A2	9	39450	417	7815	2.34	-0.26	2.60	-0.19	2.41	0	2139
1530A2	9	39450	447	2851	3.56	.04	3.52	-0.15	3.37	0	2140
1530A2	9	39450	488	1256	3.73	-0.05	3.78	-0.05	3.69	0	2141

# ACCELEROMETER DATA

A/C SER.NO. 153082 FLY.AC. 9 DATE 5/12/70 FLT.TIME .68PRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLY 530 2840 1570 6110

COUNTS AFTER FLY 532 2842 1570 6110

DIFFERENCE 0 2 0 0

CG ACCEL. 4 2 0 0

FORE ACCEL. 4 2 0 0

AFT ACCEL. 2 1 0 0

NADC-72021 VT

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2108	6.55	6.80	6.46
2022	7.30	7.08	7.53
2026	6.86	7.16	6.74
2071	5.92	6.04	5.65

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRF-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153002	9	39450	515	640	3.46	0	3.46	-0.15	3.31	0	2142
153002	9	39450	521	408	2.82	.05	2.82	-0.04	2.78	0	2143
153002	9	39450	508	180	.43	.04	.39	-0.04	.20	0	2144
153002	9	39450	473	1816	4.50	.14	4.36	-0.14	4.22	0	2145
153002	9	39450	275	6284	2.09	-0.07	2.16	-0.02	2.14	0	2146
153002	9	39450	220	8006	-0.44	-0.02	-0.46	-0.05	-0.51	0	2147
153002	9	39450	435	2571	5.00	.14	5.00	-0.12	4.87	0	2148
153002	9	39450	534	188	3.53	.01	3.52	-0.11	3.41	0	2149
153002	9	39450	521	406	3.19	0	3.19	-0.15	3.04	0	2150
153002	9	39450	409	879	2.98	-0.04	3.02	-0.09	2.93	0	2151
153002	9	39450	485	1205	3.86	.05	3.77	-0.12	3.65	0	2152
153002	9	39450	455	1573	2.42	.04	2.38	-0.02	2.30	0	2153
153002	9	39450	444	1882	2.78	-0.02	2.80	-0.11	2.69	0	2154
153002	9	39450	437	2008	2.64	.04	2.60	-0.12	2.48	0	2155
153002	9	39450	431	2060	2.86	0	2.86	-0.12	2.74	0	2156
153002	9	39450	425	2008	3.21	.03	3.18	-0.11	3.07	0	2157
153002	9	39450	426	1783	2.97	.05	2.92	-0.10	2.82	0	2158
153002	9	39450	428	1471	2.12	-0.07	2.19	-0.12	2.07	0	2159
153002	9	39450	426	1566	3.40	.10	3.30	-0.09	3.21	0	2160
153002	9	39450	337	5456	.28	.03	.26	0	.26	0	2161
153002	9	39450	331	7100	2.41	-0.01	2.42	-0.10	2.32	0	2162
153002	9	39450	413	6777	3.39	.10	3.29	-0.08	3.21	0	2163
153002	9	39450	413	5257	3.57	.12	3.45	-0.09	3.36	0	2164
153002	9	39450	416	2886	3.66	.10	3.56	-0.17	3.39	0	2165
153002	9	39450	512	2880	4.37	.15	4.22	-0.16	4.06	0	2166
153002	9	39450	530	952	3.24	.08	3.16	-0.07	3.09	0	2167
153002	9	39450	540	577	2.73	-0.05	2.78	-0.04	2.74	0	2168
153002	9	39450	520	408	2.13	-0.05	2.18	0	2.20	0	2169
153002	9	39450	520	281	2.17	-0.07	2.24	.02	2.24	0	2170
153002	9	39450	515	209	.58	0	.58	-0.20	.38	0	2171
153002	9	39450	474	53	.52	.06	.46	-0.12	.34	0	2172
153002	9	39450	442	1424	4.19	.23	3.96	-0.12	3.84	0	2173
153002	9	39450	271	8232	-0.15	.06	-0.21	-0.02	-0.23	0	2174
153002	9	39450	244	7514	.38	.03	.35	-0.04	.31	0	2175
153002	9	39450	387	3862	4.86	.16	4.70	-0.07	4.63	0	2176
153002	9	39450	475	239	2.87	.07	2.80	-0.14	2.66	0	2177
153002	9	39450	487	385	5.58	.08	5.50	-0.14	5.36	0	2178
153002	9	39450	442	647	2.22	-0.01	2.23	-0.10	2.13	0	2179
153002	9	39450	420	870	2.20	-0.01	2.21	-0.10	2.11	0	2180
153002	9	39450	403	1041	2.24	-0.03	2.27	-0.15	2.12	0	2181
153002	9	39450	393	1116	2.97	-0.11	3.08	-0.24	2.84	0	2182
153002	9	39450	382	1204	3.31	-0.01	3.32	-0.04	3.28	0	2183
153002	9	39450	358	1628	2.15	-0.07	2.22	-0.11	2.11	0	2184
153002	10	41640	207	631	.47	.06	.41	.06	.47	0	2185
153002	10	40750	351	4118	2.19	.03	2.16	-0.01	2.15	0	2186

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	10	40750	350	3706	2.05	.02	2.03	.01	2.04	0	2187
1530A2	10	40750	205	3470	1.96	.01	1.95	-0.01	1.94	0	2188
1530A2	10	40750	315	2770	2.37	.10	2.27	-0.05	2.22	0	2189
1530A2	10	40750	321	2621	2.23	-0.04	2.27	-0.05	2.22	0	2190
1530A2	10	40750	327	2184	2.43	.10	2.33	-0.02	2.30	0	2191
1530A2	10	40750	331	1980	2.52	.07	2.45	-0.06	2.39	0	2192
1530A2	10	40750	327	1811	2.15	.06	2.10	-0.01	2.09	0	2193
1530A2	10	40750	303	563	1.96	.02	1.94	-0.01	1.93	0	2194
1530A2	10	40250	306	510	1.95	0	1.95	-0.02	1.93	0	2195
1530A2	10	40250	301	511	1.96	.01	1.95	-.05	2.00	0	2196
1530A2	10	40250	322	6549	2.02	.02	2.05	-0.03	2.02	0	2197
1530A2	10	40250	347	6064	2.02	-0.02	2.04	-0.04	2.00	0	2198
1530A2	10	40250	440	3448	1.89	.05	1.84	.11	1.95	0	2199
1530A2	10	40250	474	2754	1.96	.01	1.95	.03	1.98	0	2200
1530A2	10	40250	407	1927	2.05	0	2.05	-0.02	1.92	0	2201
1530A2	10	40250	511	1327	2.29	.02	2.27	-0.02	2.25	0	2202
1530A2	10	40250	515	1198	2.11	.03	1.96	.05	2.12	0	2203
1530A2	10	40250	523	885	1.69	-0.07	1.96	-0.03	1.91	0	2204
1530A2	10	40250	440	3086	3.71	.12	3.59	-0.07	3.52	0	2205
1530A2	10	39750	182	10694	.38	.02	.36	.02	.39	0	2206
1530A2	10	39750	344	7447	4.54	.06	4.48	.20	4.68	0	2207
1530A2	10	39750	452	667	3.82	.14	3.68	.01	3.69	0	2208
1530A2	10	39750	360	3062	2.83	.15	3.68	.01	3.69	0	2209
1530A2	10	39400	245	5870	.36	.24	.12	-0.02	.04	0	2210
1530A2	10	39400	427	1737	2.11	.03	2.14	.04	2.18	0	2211
1530A2	10	39400	465	720	3.48	.02	3.45	-0.12	3.32	0	2212
1530A2	10	39400	417	1047	5.78	.14	5.14	-0.05	5.09	0	2213
1530A2	10	39400	358	1925	3.56	.11	3.45	-0.06	3.39	0	2214
1530A2	10	39050	378	843	1.97	.01	1.98	-0.07	1.91	0	2215
1530A2	10	39050	350	1765	1.96	.17	1.79	.14	1.92	0	2216
1530A2	10	39050	345	2765	2.02	-0.02	2.04	-0.02	2.02	0	2217
1530A2	10	39050	352	2569	2.23	.06	2.17	-0.03	2.14	0	2218
1530A2	10	39050	364	2124	2.16	.03	2.11	-0.01	2.10	0	2219
1530A2	10	39050	387	1475	2.25	.07	2.18	-0.05	2.12	0	2220
1530A2	10	39050	401	878	3.00	.16	2.84	.11	2.84	0	2221
1530A2	10	39050	396	741	2.81	.21	2.60	.15	2.75	0	2222
1530A2	10	39050	366	2050	2.39	.10	2.29	-0.04	2.25	0	2223
1530A2	10	38550	353	2450	2.19	.04	2.15	.04	2.19	0	2224
1530A2	10	38550	340	2920	2.07	.02	2.05	-0.06	1.99	0	2225
1530A2	10	38550	421	1859	2.94	.04	2.90	-0.02	2.88	0	2226
1530A2	10	38550	426	1653	2.47	.01	2.46	.03	2.49	0	2227
1530A2	10	38550	440	1205	2.19	.02	2.16	-0.01	2.15	0	2228
1530A2	10	38550	440	540	2.03	.01	2.02	-0.02	1.99	0	2229
1530A2	10	38550	459	657	2.19	.04	2.15	-0.02	2.13	0	2230
1530A2	10	38550	461	563	2.05	0	2.05	.02	2.08	0	2231

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORCE	N. DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153002	10	38550	454	560	2.36	.04	2.32	-0.04	2.28	0	2222
153002	10	38550	445	1209	4.16	-0.12	4.28	-0.29	3.99	0	2233
153002	10	38550	383	2783	3.24	.12	3.22	-0.10	3.12	0	2234
153002	10	38550	370	1732	2.39	.13	2.26	-0.01	2.25	0	2235
153002	10	38550	360	2131	2.45	.08	2.37	-0.08	2.29	0	2236
153002	10	38550	352	2355	2.18	.16	2.02	.13	2.15	0	2237
153002	10	38550	357	2827	2.84	.08	2.76	-0.04	2.72	0	2238
153002	10	38100	427	1027	2.27	0	2.27	-0.06	2.21	0	2239
153002	10	38100	429	920	2.29	.02	2.21	.01	2.22	0	2240
153002	10	38100	427	847	2.29	.06	2.23	-0.01	2.22	0	2241
153002	10	38100	477	763	2.00	.06	1.94	.01	1.95	0	2242
153002	10	38100	420	610	2.37	0	2.37	-0.13	2.24	0	2243
153002	10	38100	407	1191	2.43	.06	2.37	-0.04	2.33	0	2244
153002	10	38100	366	2252	2.02	.01	2.01	.02	2.03	0	2245
153002	10	38100	325	3510	2.11	.01	2.03	-0.05	1.98	0	2246
153002	10	38100	366	1887	2.21	.06	2.12	-0.01	2.11	0	2247
153002	10	38100	376	1451	2.02	.08	1.94	-0.01	1.93	0	2248
153002	10	38100	385	1106	2.10	.07	2.12	-0.02	2.10	0	2249
153002	10	38100	383	112	2.29	.06	2.20	-0.01	2.19	0	2250
153002	10	38100	376	728	2.14	.16	2.22	-0.01	2.26	0	2251
153002	10	38100	372	879	2.10	.04	2.26	.05	2.31	0	2252
153002	10	38100	356	1227	1.92	.07	1.85	.22	2.07	0	2253
153002	10	38100	340	1127	1.84	-0.06	1.90	.07	1.97	0	2254
153002	10	37600	345	2413	2.11	.08	2.33	.03	2.36	0	2255
153002	10	37600	345	2452	2.24	.05	2.21	.07	2.28	0	2256
153002	10	37600	400	1064	2.67	.04	2.55	-0.06	2.49	0	2257
153002	10	37600	404	1404	2.64	.05	2.42	-0.05	2.37	0	2258
153002	10	37600	410	1123	2.10	.06	2.17	-0.04	2.09	0	2259
153002	10	37600	427	602	2.11	.05	2.26	-0.02	2.23	0	2260
153002	10	37600	434	624	2.11	.06	2.17	-0.07	2.10	0	2261
153002	10	37600	420	644	2.10	.07	2.29	-0.02	2.26	0	2262
153002	10	37600	410	813	2.10	.07	2.52	-0.02	2.45	0	2263
153002	10	37600	402	1233	2.10	.08	2.43	-0.03	2.41	0	2264
153002	10	37600	380	1500	2.17	.05	2.22	-0.06	2.16	0	2265
153002	10	37600	382	1818	2.16	.07	2.09	-0.02	2.07	0	2266
153002	10	37600	362	1175	2.07	.01	2.06	-0.02	2.04	0	2267
153002	10	37600	381	2201	2.61	.16	2.45	.06	2.51	0	2268
153002	10	37600	308	1561	2.25	.08	2.17	.04	2.21	0	2269
153002	10	37600	404	1235	2.57	.05	2.78	0	2.73	0	2270
153002	10	37600	411	866	2.10	.03	2.36	-0.02	2.33	0	2271
153002	10	37600	407	698	2.59	.10	2.42	-0.01	2.41	0	2272
153002	10	37600	405	751	2.37	0	2.37	-0.07	2.30	0	2273
153002	10	37600	402	783	2.30	.04	2.16	-0.04	2.12	0	2274
153002	10	37600	307	528	2.30	.64	2.26	-0.02	2.24	0	2275
153002	10	37600	364	1068	2.19	.06	2.33	-0.06	2.27	0	2276

# ACCELEROMETER DATA

P/C SFR.AC. 133062 FLT.NO. 10 DATE 5/15/70 FLT.TIME .62HRS.

6.8G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 523 2842 1570 6110

COUNTS AFTER FLT 524 2842 1570 6110

DIFFER/NCC 1 1 0 0

CG ACCEL. 1 0 0 0

FORE ACCEL. 1 0 0 0

AFT ACCEL. 1 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2310 6.63 6.79 6.71

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	AZ FORE	AZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (ALT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	10	37600	389	1184	2.35	.08	2.27	-0.02	2.24	0	2277
1530A2	10	37600	381	1667	2.24	.08	2.16	-0.01	2.15	0	2278
1530A2	10	37600	371	1993	2.05	.07	2.02	-0.01	2.01	0	2279
1530A2	10	37600	389	4280	2.74	.06	2.68	.01	2.69	0	2280
1530A2	10	37200	463	2198	2.36	.09	2.29	.01	2.28	0	2281
1530A2	10	37200	473	1719	2.12	.03	2.07	.02	2.17	0	2282
1530A2	10	37200	501	1015	2.25	.09	2.16	.04	2.20	0	2283
1530A2	10	37200	467	2296	3.47	.17	3.70	-0.05	3.65	0	2284
1530A2	10	37200	380	4137	3.49	.10	3.39	-0.11	3.28	0	2285
1530A2	10	36950	348	5745	3.11	.15	2.96	.02	2.98	0	2286
1530A2	10	36950	462	2113	2.19	.03	2.16	-0.04	2.12	0	2287
1530A2	10	36950	494	1084	2.02	.02	2.00	-0.02	1.92	0	2288
1530A2	10	36950	510	706	2.18	.05	2.13	.01	2.14	0	2289
1530A2	10	36950	512	635	2.23	.06	2.17	.01	2.17	0	2290
1530A2	10	36950	510	613	2.07	.01	2.05	.05	2.11	0	2291
1530A2	10	36950	487	1278	4.19	.23	3.96	.06	4.02	0	2292
1530A2	10	36950	401	2454	3.61	.12	3.69	-0.07	3.62	0	2293
1530A2	10	36950	331	1737	2.62	.12	2.50	.04	2.54	0	2294
1530A2	10	36950	312	2698	2.41	.08	2.33	-0.01	2.22	0	2295
1530A2	10	36950	302	3061	2.36	.13	2.23	.02	2.25	0	2296
1530A2	10	36950	299	3294	2.24	.02	2.22	.05	2.27	0	2297
1530A2	10	36950	280	3415	2.29	.09	2.20	-0.03	2.17	0	2298
1530A2	10	36950	264	4779	2.06	.07	1.99	.07	2.06	0	2299
1530A2	10	36950	344	3847	2.94	.06	2.88	-0.12	2.76	0	2300
1530A2	10	36950	364	2171	2.45	.07	2.38	.05	2.43	0	2301
1530A2	10	36950	362	2113	2.19	.03	2.16	.02	2.18	0	2302
1530A2	10	36950	362	2160	2.09	.13	1.96	.14	2.10	0	2303
1530A2	10	36950	484	1529	3.92	.13	3.79	-0.02	3.77	0	2304
1530A2	10	36950	395	4133	3.49	.11	3.38	-0.11	3.27	0	2305
1530A2	10	36950	378	4209	2.63	.05	2.58	-0.06	2.52	0	2306
1530A2	10	36950	397	1173	2.45	.10	2.35	.01	2.36	0	2307
1530A2	10	36950	424	707	2.50	.02	2.48	-0.02	2.45	0	2308
1530A2	10	36950	353	4624	2.51	.13	2.38	.0	2.38	0	2309
1530A2	10	36950	470	2613	6.79	.16	6.63	.08	6.71	0	2310
1530A2	10	36950	397	3023	.16	.08	.08	.04	.12	0	2311
1530A2	10	36950	344	4926	3.43	.14	3.29	-0.03	3.26	0	2312
1530A2	10	36950	364	2579	3.17	.12	3.05	.0	3.05	0	2313
1530A2	10	36950	403	646	2.39	.12	2.27	-0.05	2.22	0	2314
1530A2	10	36950	394	920	-0.05	-0.56	.51	-0.06	.45	0	2315
1530A2	10	36950	369	1269	3.67	.08	3.59	.04	3.62	0	2316
1530A2	11	40950	363	1840	2.28	.12	2.16	.0	2.16	0	1317
1530A2	11	40950	355	1435	3.63	.17	3.46	.02	3.54	0	1318
1530A2	11	40950	361	1351	3.54	.21	3.33	-0.10	3.23	0	1319
1530A2	11	39900	361	1314	2.94	.08	2.86	.02	2.88	0	1320
1530A2	11	39900	353	885	3.25	-0.06	3.31	.39	3.70	0	1321

# ACCELEROMETER DATA

A/C SER.NO. 153082 FLT.NO. 11 DATE 9/18/70 FLT.TIME .47HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 534 2843 1570 6110

COUNTS AFTER FLT 534 2843 1570 6110

DIFFERENCE 0 0 0 0

CG ACCEL. 0 0 0 0

FORE ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

NADC-72021 VT



NADC-72021 VT

BUFILE NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FW, A/S (WNOTS)	ALTITUDE	NZ FORC	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
152002	11	29100	352	542	-1.01	.14	-1.15	-0.04	-1.19	0	1322
153002	11	29110	375	1368	1.38	-0.99	2.37	.24	2.61	0	1323
154002	11	29120	432	1804	.30	.02	.36	-0.04	.72	0	1324
155002	11	29130	362	1747	2.79	.10	2.69	-0.03	2.66	0	1325
156002	11	27600	311	1182	2.18	.06	2.12	0	2.12	0	1326
157002	11	26000	217	1283	2.18	.02	2.16	-0.05	2.11	0	1327
158002	11	27600	200	940	2.07	.13	1.94	.05	1.99	0	1328
159002	12	41337	155	6589	.23	-0.01	.24	-0.02	.22	0	2001
160002	12	40200	178	6166	.51	-0.01	.52	0	.52	0	2002
161002	12	39700	421	1530	2.88	.11	3.77	-0.10	3.67	43	2003
162002	12	39700	130	7673	.13	0	.13	.02	.15	44	2004
163002	12	39450	283	5610	2.18	-0.02	2.20	-0.22	3.42	0	2005
164002	12	39450	282	4634	2.80	.14	2.66	.41	3.07	0	2006
165002	12	39450	422	1325	3.99	.10	3.89	-0.08	3.81	32	2007
166002	12	39450	155	7123	.46	-0.01	.47	.02	.49	32	2008
167002	12	39450	101	6420	.39	-0.13	.52	.06	.58	32	2009
168002	12	39750	463	235	.50	.03	.47	-0.03	.44	46	2010
169002	12	39750	463	633	5.32	.10	5.22	-0.04	5.18	46	2011
170002	12	38700	131	6679	.27	.02	.21	.01	.22	0	2012
171002	12	38700	409	1113	3.48	.07	3.41	-0.12	3.29	0	2013
172002	12	38700	133	7246	.33	.02	.31	.02	.34	0	2014
173002	12	38700	376	1025	2.48	.07	3.41	-0.08	3.37	0	2015
174002	12	38700	180	6832	.50	0	.50	.02	.53	0	2016
175002	12	38700	140	6102	.32	.02	.32	.02	.34	0	2017
176002	12	37050	146	6108	.56	.01	.55	0	.55	0	2018
177002	12	37650	418	2064	2.46	.08	3.38	-0.11	3.27	0	2019
178002	12	37650	412	2301	3.46	.09	3.37	-0.10	3.27	0	2020
179002	12	37300	152	8474	.39	.01	.38	.02	.41	0	2021
180002	12	37300	378	2141	3.38	.02	3.36	-0.10	3.26	0	2022
181002	12	36000	422	1510	2.70	.08	3.62	-0.12	3.49	0	2023
182002	12	36000	155	8694	.72	.02	.30	.06	.76	0	2024
183002	12	36000	317	5660	2.53	.19	3.34	.27	3.61	0	2025
184002	12	36000	364	4082	3.54	.02	3.62	0	3.62	0	2026
185002	12	36000	434	697	3.20	.06	3.11	-0.10	3.01	0	2027
186002	12	36550	460	1938	4.05	.06	3.99	-0.17	3.82	0	2028
187002	12	36550	186	6338	.27	.01	.26	.01	.27	0	2029
188002	12	36550	187	5395	3.98	.01	3.97	-0.03	3.94	0	2030
189002	12	36250	187	6105	.51	0.01	.52	0	.52	0	2031
190002	12	36250	380	838	2.25	.08	3.17	-0.06	3.11	0	2032
191002	12	35700	446	1067	3.57	.02	3.55	-0.11	3.44	0	2033
192002	12	35700	163	7865	.54	.02	.52	0	.52	0	2034
193002	12	35400	407	792	3.53	.10	3.43	-0.12	3.31	0	2035
194002	12	35400	151	7004	.55	.02	.52	-0.01	.51	0	2036
195002	12	35100	375	1756	3.19	.11	3.08	-0.07	3.01	0	2037
196002	12	34800	305	2241	.55	-0.02	.57	-0.05	.52	0	2038

# ACCELEROMETER DATA

A/C SER. NO. 151822 FLT. AC. 12 DATE 5/21/70 FLT. TIME .70HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 93 2843 1570 6110

COUNTS AFTER FLT 635 2042 1570 6110

DIFFERENCE 1 0 0 0

CG ACCEL. 6 0 0 0

FORE ACCEL. 8 0 0 0

AFT ACCEL. 2 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

NADC-72021 VII

# ACCELEROMETER DATA

A/C SER. NO. 19382 FLT. NO. 13 DATE 5/24/70 FLT. TIME .62HRS.

COUNTS BEFORE FLT 527 2844 1570 6110  
 COUNTS AFTER 'LT 538 2844 1570 6110

DIFFERENCE 1 0 0 0  
 CG ACCEL. 1 0 0 0  
 PERC ACCEL. 1 0 0 0  
 AFT ACCEL. 1 0 0 0

.....

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT.

SEC. NO. CG ACCEL. FCPE ACCEL. AFT ACCEL.

1827 6.49 6.46 6.05

NADC-72021 VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FORE.	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT-CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
152002	12	34000	226	4663	.21	.01	.20	-0.01	.19	0	2039
152002	12	34050	227	4406	-1.33	.13	-1.46	-0.05	-1.51	42	2040
152002	12	33900	265	3390	-1.71	-0.03	-1.68	.05	-1.63	42	2041
152002	12	33050	363	233	3.78	-0.21	3.99	.40	4.39	41	2042
152002	12	33050	351	191	-0.27	-0.62	.35	.37	.72	41	2043
152002	12	33050	351	297	-1.17	.22	-1.39	-0.26	-1.65	41	2044
152002	12	33050	370	470	-2.01	-0.10	-1.91	.04	-1.87	41	2045
152002	12	33050	384	1006	3.45	.07	3.30	-0.05	3.23	0	2046
152002	12	41377	161	5513	.56	.09	.47	.06	.53	0	1001
152002	12	40040	450	1840	4.05	.14	2.91	-0.12	3.72	0	1002
152002	12	40040	155	10744	.40	.06	.34	.06	.40	0	1003
152002	12	40040	130	7040	4.47	.02	4.45	.14	4.59	47	1004
152002	12	40040	448	557	4.37	.10	4.18	-0.14	4.04	47	1005
152002	12	40040	224	5502	.32	.06	.26	-0.20	.06	0	1006
152002	12	40040	447	351	3.34	.07	3.27	-0.10	3.17	48	1007
152002	12	40040	487	620	5.76	.13	5.63	-0.15	5.44	48	1008
152002	12	40040	465	544	3.45	.09	3.36	-0.14	3.22	22	1009
152002	12	40040	175	5028	.71	.07	.64	.04	.68	22	1010
152002	12	40040	673	1039	3.75	.04	3.71	-0.21	3.50	0	1011
152002	12	40040	274	3217	.63	.08	.55	.02	.57	0	1012
152002	12	40040	478	1797	3.56	.15	3.41	-0.11	3.20	0	1013
152002	12	40040	158	8929	.64	.09	.55	.05	.60	0	1014
152002	12	40040	108	2225	3.53	.11	3.42	-0.14	3.28	0	1015
152002	12	40040	447	1334	3.69	.15	3.54	-0.12	3.42	0	1016
152002	12	40040	165	8525	.68	.10	.58	.05	.63	0	1017
152002	12	40040	397	2233	3.47	.12	3.35	-0.12	3.23	0	1018
152002	12	40040	148	7045	.61	.11	.50	.06	.56	0	1019
152002	12	40040	451	1524	3.79	.14	3.65	-0.18	3.47	0	1020
152002	12	40040	164	8937	.60	.07	.53	.02	.55	0	1021
152002	12	40040	414	1822	3.48	.06	3.42	-0.12	3.29	0	1022
152002	12	40040	175	6741	.61	.09	.52	.07	.59	0	1023
152002	12	40040	245	3474	.54	.08	.46	.05	.51	0	1024
152002	12	40040	225	4025	.61	.07	.54	.04	.58	0	1025
152002	12	40040	474	597	3.38	.11	3.27	-0.07	3.20	42	1026
152002	12	40040	426	2657	5.46	.11	6.49	-0.44	6.05	42	1027
152002	12	40040	175	3473	.67	.07	.55	-0.06	-0.06	42	1028
152002	12	40040	163	5097	.63	.08	.55	.06	.61	42	1029
152002	12	40040	353	3504	3.23	.12	3.11	-0.10	3.01	0	1030
152002	12	40040	372	741	.67	.05	.59	-0.04	.55	41	1031
152002	12	40040	170	1005	3.53	.13	3.40	-0.09	3.31	41	1032
152002	12	40040	405	266	3.57	.15	3.72	-0.24	3.48	0	2001
152002	12	40040	436	1814	3.23	.17	3.40	-0.24	3.16	0	2002
152002	12	40040	124	6624	.32	.12	.51	-0.12	.29	0	2003
152002	12	40040	326	6183	3.60	.15	3.92	.40	4.22	0	2004
152002	12	40040	427	538	4.12	-0.05	4.17	-0.25	3.92	0	2005

ACCELEROMETER DATA

A/C 388.AC. 553082 FLT.NO. 14 DATE 6/7/70 FLT.TIME 1.10HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 939 2845 1570 6110

COUNTS AFTER FLT 939 2845 1570 6110

DIFFERENCE 0 0 0 0

CG ACCEL. 0 0 0 0

FORE ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 9.0G THRESHOLD FOR THIS FLIGHT

SEC. AC. CG ACCEL. FORE ACCEL. AFT ACCEL.

# ACCELEROMETER DATA

A/C SER.NO. 153002 FLT.NO. 15 DATE 6/ 7/70 FLY.TIME .47HRS.

CG COUNTS BEFORE FLT 539 2045 1570 10.0G 10.0G  
CG COUNTS AFTER FLT 539 2045 1570 10.0G 10.0G

DIFFERENCE 0 0 0 0 0  
CG ACCEL. 0 0 0 0 0  
FORE ACCEL. 0 0 0 0 0  
AFT ACCEL. 0 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SFG. NO. - CG ACCEL. FORE ACCEL. AFT ACCEL.

NADC-72021 VT

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FGRE-CG)	NZ CG	NZ OFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153092	14	40010	192	6118	.29	-0.21	.50	0	.50	0	2007
153092	14	39760	444	431	4.02	-0.15	4.17	-0.31	3.66	0	2008
153092	14	39760	301	446	3.42	-0.17	3.59	-0.31	3.28	0	2009
153092	14	39760	444	592	3.28	-0.14	3.46	-0.28	3.18	0	2010
153092	14	39760	383	2770	3.25	-0.14	3.39	-0.28	3.11	0	2011
153092	14	39760	422	802	3.78	-0.16	3.94	-0.23	3.69	0	2012
153092	14	39760	422	573	3.59	-0.18	3.77	-0.28	3.49	0	2013
153092	14	39760	435	356	3.46	-0.25	3.71	-0.31	3.40	0	2014
153092	14	39760	433	162	3.24	-0.18	3.42	-0.40	3.02	0	2015
153092	14	39760	431	129	3.23	-0.19	3.42	-0.22	3.42	0	2016
153092	14	39760	421	2729	3.59	-0.03	3.62	-0.20	3.42	0	2017
153092	14	39760	399	2637	3.31	-0.12	3.43	-0.29	3.14	0	2018
153092	14	39760	432	606	3.42	-0.15	3.57	-0.26	3.31	0	2019
153092	14	39760	425	2066	3.80	-0.04	3.84	-0.27	3.57	0	2020
153092	14	39760	419	1053	3.79	-0.13	3.92	-0.27	3.65	0	2021
153092	14	39760	417	216	3.43	-0.26	3.69	-0.31	3.38	0	2022
153092	14	39760	363	1777	3.36	-0.14	3.50	-0.26	3.22	0	2023
153092	14	39760	374	891	3.38	-0.13	3.51	-0.30	3.21	0	2024
153092	14	39760	513	345	3.23	.08	3.15	-0.04	3.11	0	2025
153092	14	39760	493	951	3.27	.01	3.26	-0.03	3.23	0	2026
153092	14	39760	492	937	3.26	-0.19	3.45	-0.24	3.21	0	2027
153092	14	39760	484	1158	3.22	-0.15	3.37	-0.34	3.03	0	2028
153092	14	39760	446	2760	3.35	-0.10	3.45	-0.26	3.19	0	2029
153092	14	39760	407	3700	3.25	.02	3.19	-0.10	3.09	0	2030
153092	14	39760	447	1041	3.45	-0.14	3.59	-0.32	3.27	0	2031
153092	14	39760	411	2632	5.55	-0.13	5.68	.00	5.68	0	2032
153092	14	39760	362	3237	-0.46	-0.01	-0.45	-0.16	-0.61	0	2033
153092	14	39760	174	5111	.37	-0.15	.52	-0.12	.40	0	2034
153092	14	39760	379	3143	3.30	-0.08	3.38	-0.28	3.10	0	2035
153092	14	39760	336	375	-0.16	-0.66	.50	-0.23	.27	0	2036
153092	14	39760	376	752	2.45	-0.11	3.56	-0.09	3.47	0	2037
153092	15	40210	357	566	2.75	-0.31	3.06	.57	3.62	37	1001
153092	15	40210	351	504	-0.49	-1.00	.51	.09	.60	37	1002
153092	15	40210	355	598	-1.80	-0.30	-1.50	0.80	-2.30	37	1003
153092	15	40210	375	578	.75	-0.11	.46	-0.38	.08	37	1004
153092	16	40750	477	408	3.19	.04	3.15	-0.07	3.08	0	2001
153092	16	40750	444	1488	3.70	.11	3.59	-0.05	3.54	0	2002
153092	16	40750	380	3251	3.32	.01	3.31	-0.06	3.25	0	2003
153092	16	40750	152	2615	.72	.01	.31	.12	.42	0	2004
153092	16	40750	304	6469	3.53	-0.06	3.59	.12	3.71	0	2005
153092	16	40750	309	5231	3.24	.00	3.24	.02	3.26	0	2006
153092	16	40750	450	684	3.87	.05	3.82	-0.02	3.74	0	2007
153092	16	40750	156	6411	.35	-0.21	.56	.15	.71	0	2008
153092	16	40750	234	5663	.43	.04	.39	.02	.41	0	2009
153092	16	40750	475	499	5.50	.02	5.48	-0.05	5.43	0	2010

# ACCELEROMETER DATA

A/C SER.NO. 153062 FLT.NO. 16 DATE 6/10/70 FLT.TIME .95HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 939 2045 1570 6110

COUNTS AFTER FLT 939 2045 1570 6110

DIFFERENCE 0 0 0 0

CG ACCEL. 0 0 0 0

FCFF ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.2G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FCFF ACCEL. AFT ACCEL.

NADC-72021 VT



ACCELEROMETER DATA

A/C SER.NO. 153082 FLT.NO. 17 DATE 6/10/70 FLT.TIME 25HRS.

6.0G 7.0G 8.0G 10.0G

COUNTS BEFORE FLT 939 2845 1570 6111

COUNTS AFTER FLT 939 2845 1570 6111

DIFFERENCE 0 0 0 0

CG ACCEL. 0 0 0 0

FORE ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	N7 CG	NZ DIFF. (AFT/CG)	N7 AFT	MANUEVER CCCE	SEQUENCE NUMBER
153002	16	40350	399	1262	3.74	.01	2.73	-0.17	3.56	0	2011
153002	16	39800	473	899	3.54	.06	3.48	-0.10	3.38	0	2012
153002	16	39800	446	1524	3.24	.02	3.22	0	3.22	0	2013
153002	16	39800	406	2891	3.24	.05	3.23	-0.05	3.10	0	2014
153002	16	39800	423	1670	3.74	.07	3.67	-0.04	3.63	0	2015
153002	16	39800	444	625	3.49	.05	3.44	-0.05	3.35	0	2016
153002	16	39800	458	417	3.58	.03	3.55	.01	3.56	0	2017
153002	16	39800	448	235	3.37	.06	3.31	-0.07	3.24	0	2018
153002	16	39800	307	847	3.35	-0.01	3.36	-0.11	3.25	0	2019
153002	16	39800	423	1573	3.56	.10	3.46	-0.11	3.25	0	2020
153002	16	39800	365	2433	3.23	.03	3.20	-0.01	3.19	0	2021
153002	16	39800	381	2707	3.26	.02	3.24	-0.01	3.23	0	2022
153002	16	39800	402	1617	3.56	.09	3.47	-0.10	3.37	0	2023
153002	16	39800	428	1488	3.51	.05	3.45	-0.11	3.35	0	2024
153002	16	39800	418	563	3.67	.02	3.65	-0.08	3.57	0	2025
153002	16	39800	468	652	3.17	.24	2.93	.22	3.15	0	2026
153002	16	39800	148	663	.35	.02	.32	.10	.42	0	2027
153002	16	39800	426	1744	3.71	.12	3.59	-0.03	3.56	0	2028
153002	16	39800	435	144	3.31	.01	3.30	-0.03	3.27	0	2029
153002	16	39800	415	2848	5.57	.07	5.45	.34	5.75	0	2030
153002	16	39800	367	3325	-0.13	.17	-0.30	.08	-0.22	0	2031
153002	16	39800	174	2695	.24	.01	.23	.05	.32	0	2032
153002	16	39800	789	2142	3.22	.07	3.15	.01	3.16	0	2033
153002	16	39800	405	2567	3.21	.05	3.16	.01	3.17	0	2034
153002	16	39800	368	734	.15	.05	.53	.09	.42	0	2035
153002	16	39800	364	1177	3.21	.14	3.07	-0.11	3.16	0	2036
153002	16	39800	351	678	-0.33	-0.67	.34	.12	.46	0	2037
153002	16	39800	356	1009	3.34	.05	3.29	.02	3.32	0	2038
153002	16	39800	444	31	.22	.14	.08	.02	.11	0	2039
153002	16	39800	434	204	3.45	.02	3.43	-0.05	3.38	0	2040
153002	16	39800	361	1123	3.25	.04	3.21	-0.05	3.16	0	2041
153002	17	39800	436	1530	3.77	.02	3.75	-0.13	3.62	0	2042
153002	17	39800	175	877	.22	.05	.17	.09	.26	0	2043
153002	17	39800	301	6602	3.35	.02	3.34	.12	3.46	0	2044
153002	17	39800	302	5488	2.65	.12	2.57	.67	3.20	0	2045
153002	17	39800	428	420	3.21	.12	3.09	.02	3.11	0	2046
153002	17	39800	443	875	4.23	.16	4.07	-0.01	4.06	0	2047
153002	17	39800	156	6424	.31	0	.31	.03	.24	0	2048
153002	17	39800	184	5941	.09	-0.14	.22	.20	.42	0	2049
153002	17	39800	220	5250	.10	.18	-0.08	-0.05	-0.13	0	2050
153002	17	39800	466	604	4.98	.07	4.91	-0.15	4.76	0	2051
153002	18	40300	437	1265	3.51	.11	3.41	-0.06	3.35	0	2052
153002	18	40300	306	6021	3.75	.01	3.74	.16	3.50	0	2053
153002	18	40300	426	425	3.67	.17	3.46	.07	3.53	0	2054
153002	18	40300	439	516	4.10	.27	3.83	.07	3.50	0	2055

# ACCELEROMETER DATA

A/C SER.NO. 153002 FLT.NO. 10 DATE 6/14/70 FLT.TIME 0574RS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 940 2045 1570 6110

COUNTS AFTER FLT 542 2045 1570 6110

DIFFERENCE 2 0 0 0

CG ACCEL. 1 0 0 0

FORE ACCEL. 2 0 0 0

AFT ACCEL. 2 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1018 5.27 5.81 5.82  
1019 5.94 6.01 6.25

# ACCELEROMETER DATA

A/C SER.NO. 193082 FLT.NO. 19 DATE 6/17/70 FLT.TIME 0704RS.

CG 0.00 7.00 0.50 10.00

COUNTS BEFORE FLT 542 2845 1570 6110

COUNTS AFTER FLT 542 2845 1570 6110

DIFFERENCE

CG ACCEL.

FORE ACCEL.

AFT ACCEL.

INDIVIDUAL DATA POINTS EXCEEDING 5.00 THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

NADC-72021 VT

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ ART	MANUEVER CODE	SEQUENCE NUMBER
153082	18	40000	196	6899	.26	-0.00	.34	.15	.49	47	1805
153082	12	40000	502	412	5.81	.04	5.77	-.05	5.82	47	1806
153082	18	39150	458	780	3.34	.09	3.25	-0.04	3.21	57	1807
153082	18	39150	153	8240	.54	.07	.51	.08	.53	8	1808
153082	18	38800	406	743	3.51	.11	3.40	-.05	3.45	8	1809
153082	18	37900	422	1224	3.57	.14	3.43	-0.11	3.23	59	1810
153082	18	37900	395	1125	3.37	.12	3.25	-0.02	3.23	59	1811
153082	18	37400	414	1510	3.64	.21	3.43	-.05	3.42	8	1812
153082	18	37400	304	1858	3.36	.10	3.26	.01	3.27	8	1813
153082	18	36550	204	2219	.35	.36	-.01	-0.01	-0.02	44	1814
153082	18	26000	148	8507	.57	.15	.42	.13	.55	0	1815
153082	18	36000	412	1487	3.34	.14	3.20	.01	3.21	0	1816
153082	18	35150	425	2482	6.01	.07	5.94	.31	6.25	42	1817
153082	18	35150	377	3056	0	.22	-.023	-0.04	-0.27	42	1818
153082	18	35150	156	8101	.54	.15	.39	.16	.46	42	1819
153082	18	34550	375	3228	3.57	.14	3.43	-0.10	3.22	8	1820
153082	18	34100	384	676	.05	-0.74	.79	-0.04	.75	41	1821
153082	18	24100	390	550	3.64	.19	3.45	.36	3.21	41	1822
153082	19	42637	151	5214	.12	.04	.08	.02	.10	0	1823
153082	19	40300	422	665	4.04	.13	3.91	.01	3.92	8	1824
153082	19	40300	204	5175	3.22	-0.07	3.29	-0.05	3.24	0	1825
153082	19	40300	361	1002	2.11	.02	2.09	-0.02	2.01	0	1826
153082	19	446	446	818	4.06	.11	3.97	-0.02	3.94	0	1827
153082	19	39650	174	7244	.14	-0.18	.32	.11	.43	0	1828
153082	19	39050	203	6540	-0.05	.12	-.017	-0.12	-0.20	0	1829
153082	19	39050	428	658	4.88	.12	4.76	-0.05	4.71	0	1830
153082	19	39450	397	1532	3.48	.03	3.45	-0.11	3.24	0	1831
153082	19	39450	121	6783	.33	.01	.32	.02	.35	0	1832
153082	19	39450	368	559	2.69	0	2.69	-0.04	2.65	0	1833
153082	19	38500	122	6783	.39	0	.39	.01	.42	0	1834
153082	19	38500	420	1209	3.37	.05	3.32	-0.06	3.26	0	1835
153082	19	38500	380	1202	3.48	.04	3.44	-0.14	3.20	0	1836
153082	19	38500	374	445	3.17	.02	3.09	-0.07	3.02	0	1837
153082	19	37650	411	1223	3.35	.11	3.24	-0.02	3.22	0	1838
153082	19	37050	396	1700	3.36	.03	3.33	-0.08	3.25	0	1839
153082	19	37050	173	7141	.32	.04	.28	.05	.33	0	1840
153082	19	37050	396	660	3.95	.05	3.90	-0.12	3.76	0	1841
153082	19	37450	150	3037	.16	-0.02	.19	0	.19	0	1842
153082	19	37450	156	3024	.25	.04	.21	.02	.23	0	1843
153082	20	42037	122	6031	.38	.14	.24	.13	.37	0	1844
153082	20	40700	256	2437	.95	.02	.87	.06	.93	0	1845
153082	20	40700	202	5645	.80	.11	.69	.05	.72	0	1846
153082	20	40300	401	3070	2.88	.16	2.72	-0.06	2.66	0	1847
153082	20	40300	148	6445	.43	.11	.32	.05	.41	0	1848
153082	20	40300	319	6212	3.96	.06	3.90	.31	4.21	0	1849

# ACCELEROMETER DATA

A/C SER.NO.-157082 FLT.NO. 20 DATE 4/19/70 FLT.TIME .63PRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 942 2045 1570 6118

COUNTS AFTER FLT 942 2045 1570 6118

DIFFERENCE

0 0 0 0

CG ACCEL.

0 0 0 0

FORE ACCEL.

0 0 0 0

AFT ACCEL.

0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 9.5G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

A-131

NADC-72021 VT

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCSE	NZ DIFF. (FCSE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	20	40200	427	296	.56	.15	.41	.04	.93	0	1007
1530A2	20	40200	300	2177	4.17	.18	3.99	.02	4.01	0	1008
1530A2	20	40200	217	5620	.23	.23	0	-0.09	-0.09	0	1009
1530A2	20	40200	304	1836	2.94	.15	2.79	-0.01	2.78	0	1010
1530A2	20	40200	478	584	5.70	.21	5.49	-0.02	5.47	0	1011
1530A2	20	39000	424	1914	3.57	.19	3.33	-0.05	3.28	0	1012
1530A2	20	39000	145	2697	.61	.16	.45	.16	.41	0	1013
1530A2	20	39000	408	1446	3.65	.15	3.50	-0.15	3.35	0	1014
1530A2	20	39000	409	518	2.36	.15	3.21	0	3.21	0	1015
1530A2	20	39000	155	7456	.54	.17	.37	.12	.55	0	1016
1530A2	20	39000	325	2818	2.08	.12	2.96	-0.01	2.95	0	1017
1530A2	20	38500	300	2921	.75	.08	.67	.10	.77	0	1018
1530A2	20	38500	310	2298	.75	.07	.72	.07	.79	0	1019
1530A2	20	37050	432	1751	2.99	.18	3.81	-0.02	3.79	0	1020
1530A2	20	37050	175	7597	.91	.12	.79	.05	.88	0	1021
1530A2	20	37050	380	1204	2.77	.18	3.59	-0.12	3.47	0	1022
1530A2	20	37050	205	5566	.60	.10	.50	.12	.62	0	1023
1530A2	20	37400	354	2612	2.80	.17	2.66	-0.01	2.67	0	1024
1530A2	20	37400	457	1250	2.80	.14	3.66	-0.01	3.65	0	1025
1530A2	20	37400	178	2685	.92	.16	.76	.12	.89	0	1026
1530A2	20	36000	397	2757	3.59	.17	3.42	-0.08	3.34	0	1027
1530A2	20	36000	224	2005	.81	.11	.70	0	.70	0	1028
1530A2	20	36400	220	201	.66	.18	.68	.12	.80	0	1029
1530A2	20	36400	128	6606	.59	.18	.50	.17	.67	0	1030
1530A2	20	36400	327	1239	3.04	.15	2.89	-0.01	2.88	0	1031
1530A2	20	36400	221	5564	.60	.13	.56	.15	.71	0	1032
1530A2	20	35000	300	2403	3.18	.20	2.98	.04	3.02	0	1033
1530A2	20	35000	144	8570	.60	.13	.47	.14	.61	0	1034
1530A2	20	35000	419	1160	3.77	.21	3.56	.02	3.59	0	1035
1530A2	20	35000	133	8543	.47	.10	.37	.12	.49	0	1036
1530A2	20	35400	224	2619	.71	.08	.63	.10	.73	0	1037
1530A2	20	35100	421	2589	.50	.05	.34	.10	.44	0	1038
1530A2	20	35100	370	2573	-0.16	.31	5.45	.11	5.56	0	1039
1530A2	20	35100	321	5626	3.08	.13	-0.47	-0.01	-0.46	0	1040
1530A2	20	35100	143	5525	.69	.17	2.95	-0.04	2.91	0	1041
1530A2	20	35100	475	485	3.50	.08	.52	-0.05	.65	0	1042
1530A2	20	35100	249	7206	.61	.22	3.42	.21	3.23	0	1043
1530A2	20	34550	341	443	.90	.11	.39	.21	.60	0	1044
1530A2	20	34050	190	2552	.81	.12	.79	.11	.79	0	1045
1530A2	20	34050	375	559	.84	.13	.69	.11	.60	0	1046
1530A2	20	34050	168	452	.40	.14	.71	.05	.76	0	1047
1530A2	21	41737	168	4217	.40	.14	.31	.06	.70	0	1048
1530A2	21	40120	426	1697	3.32	.10	3.22	-0.10	3.12	0	1001
1530A2	21	40120	112	10280	.07	.01	.06	.11	.17	0	1002
1530A2	21	40120	112	10280	.07	.01	.06	.11	.17	0	1003

# ACCELEROMETER DATA

A/C SER.NO.-193882 FLT.AC. 21 DATE 6/20/70 FLT.TIME .60PRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 542 2845 1570 6110

COUNTS AFTER FLT 542 2845 1570 6110

DIFFERENCE 1 0 0 0

CG ACCEL. 0 0 0 0

FCRE ACCEL. 0 0 0 0

AFT ACCEL. 0 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.2G THRESHOLD FOR THIS FLIGHT

A-130

SEC. AC. CG ACCEL. FORE ACCEL. AFT ACCEL.

NADC-72021 VT



# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	21	40120	336	6163	4.20	.00	4.12	.44	4.56	0	1004
1530A2	21	40120	437	651	4.02	.20	3.82	-0.06	3.76	0	1005
1530A2	21	39670	168	6631	.01	-0.16	.20	.22	.42	U	1006
1530A2	21	39670	202	6158	-0.22	.16	-0.41	-0.18	-0.56	0	1007
1530A2	21	39670	246	5501	.43	.14	.29	.05	.24	0	1008
1530A2	21	39670	500	542	5.53	.05	5.44	-0.07	5.27	0	1009
1530A2	21	39670	417	1406	2.65	.25	3.40	-0.06	3.34	0	1010
1530A2	21	39670	304	4038	.11	.02	.08	.20	.28	0	1011
1530A2	21	39670	130	9649	.34	.01	.33	.05	.38	0	1012
1530A2	21	39670	405	2456	2.32	.07	3.25	-0.11	3.14	0	1013
1530A2	21	39670	413	2024	2.36	.07	3.29	0	3.29	0	1014
1530A2	21	39670	418	1709	2.62	.12	3.50	-0.11	3.29	0	1015
1530A2	21	39670	422	1249	2.37	-0.06	3.43	-0.13	3.20	0	1016
1530A2	21	39670	427	651	2.23	.02	3.21	-0.16	3.05	0	1017
1530A2	21	39670	426	554	2.23	.08	3.15	-0.07	3.08	0	1018
1530A2	21	39670	465	574	2.19	.09	3.10	-0.02	3.07	0	1019
1530A2	21	39670	463	1137	2.21	.24	2.97	.12	3.10	0	1020
1530A2	21	39670	426	1432	2.73	.11	3.22	-0.06	3.16	0	1021
1530A2	21	39670	424	629	2.91	.21	3.70	0	3.70	0	1022
1530A2	21	39670	416	653	2.27	.47	3.23	.33	2.96	0	1023
1530A2	21	39670	416	792	2.21	.05	3.22	-0.07	3.15	0	1024
1530A2	21	39670	164	2566	2.34	.05	3.11	.07	3.02	0	1025
1530A2	21	39670	450	1559	2.49	.08	3.41	-0.07	3.34	0	1026
1530A2	21	39670	434	9593	2.43	.06	3.37	.06	3.42	0	1027
1530A2	21	39670	434	2079	2.80	.16	3.64	-0.01	3.63	0	1028
1530A2	21	39670	470	7864	2.46	.09	3.37	.08	3.45	0	1029
1530A2	21	39670	435	863	2.28	.05	3.19	-0.06	3.13	0	1030
1530A2	21	39670	435	6590	.52	.16	.36	.08	.44	0	1031
1530A2	21	39670	447	2023	2.92	.18	3.74	-0.08	3.66	0	1032
1530A2	21	39670	449	1139	2.56	.04	3.52	-0.07	3.45	0	1033
1530A2	21	39670	446	867	2.64	.09	3.55	-0.24	3.31	0	1034
1530A2	21	39670	446	703	2.39	.02	3.28	-0.05	3.19	0	1035
1530A2	21	39670	446	650	2.23	.06	3.17	-0.05	3.12	0	1036
1530A2	21	39670	168	7336	.32	-0.03	.35	.01	.36	0	1037
1530A2	21	39670	250	5411	5.74	.05	.41	.05	.46	0	1038
1530A2	21	39670	430	2418	-0.29	.02	5.72	.02	5.75	0	1039
1530A2	21	39670	133	2509	.41	.16	-0.55	.02	-0.52	0	1040
1530A2	21	39670	350	6112	.41	.08	.33	.06	.39	0	1041
1530A2	21	39670	344	975	2.42	-0.07	3.34	.04	3.28	0	1042
1530A2	21	39670	344	1072	2.42	.08	3.34	-0.09	3.25	0	1043
1530A2	21	39670	334	7214	4.01	-0.01	.25	.04	.25	0	1044
1530A2	21	39670	334	657	4.12	-0.04	4.05	.36	4.41	0	1002
1530A2	21	39670	236	5481	.03	.10	4.02	-0.07	3.95	0	1003
1530A2	21	39670	236		.03	.25	-0.22	-0.17	-0.29	0	1004

# ACCELEROMETER DATA

A/C SER.NO. 153012 FLY.NO. 22 DATE 6/21/70 FLT.TIME .60MRS.

6.86 7.86 8.56 10.86

COUNTS BEFORE FLT 942 2045 1570 1110

COUNTS AFTER FLT 944 2045 1570 1118

DIFFERENCE 1 0 0 0

CG ACCEL. 1 0 0 0

FORE ACCEL. 0 0 0 0

AFT ACCEL. 1 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1007 5.06 5.70 5.50

NADC-72021 VT

# NADC-72021 VT

BURFAU NUMBER	FLIGHT NUMBER	GROSS HEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A2	22	35450	459	656	5.19	.64	5.15	-0.15	5.00	0	1005
1530A2	22	36000	437	6775	.47	.17	.30	-0.04	.26	0	1006
1530A2	22	36200	438	2856	5.78	.06	5.06	.04	5.50	0	1007
1530A2	22	36200	362	2989	-0.54	.30	-0.04	-0.05	-0.09	0	1008
1530A2	22	37750	347	724	-0.25	.30	.26	0	.26	0	1009
1530A2	22	37750	342	830	.14	-0.09	.23	.44	.67	0	1010
1530A5	1	43450	249	2231	.21	-0.14	.35	.11	.46	0	1001
1530A5	1	43150	271	2167	2.04	.10	1.94	.25	2.19	0	1002
1530A5	1	43150	271	2097	.28	-0.09	.37	.19	.56	0	1003
1530A5	1	42850	256	2288	1.94	.03	1.91	.30	2.21	0	1004
1530A5	1	42850	274	2312	-0.53	.15	-0.08	.10	-0.50	0	1005
1530A5	1	42250	275	770	-0.15	-0.19	.04	.06	.10	0	1006
1530A5	1	41650	471	1108	2.94	.16	2.82	-0.06	2.76	0	1007
1530A5	1	41450	203	8803	-0.47	.08	-0.55	.14	-0.41	0	1008
1530A5	1	41450	391	2976	4.40	.24	4.16	-0.07	4.09	0	1009
1530A5	1	41450	456	559	3.51	.12	3.35	-0.07	3.28	0	1010
1530A5	1	41450	482	207	-0.02	-0.22	.20	-0.20	0	0	1011
1530A5	1	41450	485	608	6.01	.20	5.81	-0.22	5.59	0	1012
1530A5	1	41450	361	5573	2.50	.10	2.40	-0.05	2.35	0	1013
1530A5	1	41200	323	6464	2.24	-0.13	2.37	-0.03	2.34	0	1014
1530A5	1	41200	378	5174	2.81	.05	2.76	-0.06	2.70	0	1015
1530A5	1	41200	480	2045	3.55	.05	3.50	-0.02	3.42	0	1016
1530A5	1	41200	519	2045	4.60	.10	4.50	-0.10	4.31	0	1017
1530A5	1	41200	524	1204	4.93	.20	4.73	-0.02	4.65	0	1018
1530A5	1	41200	482	650	5.75	.11	5.14	-0.30	4.84	0	1019
1530A5	1	40050	251	6862	.62	.16	.46	.02	.42	0	1020
1530A5	1	40050	285	6231	-0.24	-0.37	.13	.21	.34	0	1021
1530A5	1	40050	311	5691	.28	.14	.14	-0.19	-0.15	0	1022
1530A5	1	40050	368	4692	2.24	.02	2.22	-0.04	2.18	0	1023
1530A5	1	40050	494	666	3.20	.07	3.13	-0.13	3.00	0	1024
1530A5	1	40050	492	206	2.56	.07	2.49	.05	2.54	0	1025
1530A5	1	40050	400	218	.26	-0.43	.69	-0.21	.42	0	1026
1530A5	1	40050	404	497	6.12	.06	6.06	-0.23	5.83	0	1027
1530A5	1	40050	419	1518	.57	.13	.44	.05	.45	0	1028
1530A5	1	40050	354	5045	2.41	.02	2.38	-0.07	2.31	0	1029
1530A5	1	40050	324	2058	2.46	.12	2.34	.01	2.34	0	1030
1530A5	1	40050	376	4635	2.31	.06	2.25	.02	2.26	0	1031
1530A5	1	40050	422	2417	2.35	.07	2.28	.02	2.30	0	1032
1530A5	1	40050	445	937	3.19	.15	2.94	-0.05	2.74	0	1033
1530A5	1	40100	313	5659	2.35	.03	2.32	.42	2.59	0	1034
1530A5	1	40100	217	5100	-0.44	.07	-0.51	.11	-0.40	0	1035
1530A5	1	40100	373	5568	3.82	.11	3.71	-0.11	3.60	0	1036
1530A5	1	40100	303	5574	2.92	.09	2.82	-0.02	2.80	0	1037
1530A5	1	40100	421	888	2.65	.05	2.60	-0.02	2.52	0	1038
1530A5	1	40100	446	497	2.05	.05	2.00	-0.02	2.07	0	1039

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FOPE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	HANLEVER CCODE	SEQUENCE NUMBER
153085	1	40100	475	242	.15	-0.26	.42	-0.20	.22	0	2040
153085	1	40100	477	642	.63	.24	6.19	-0.29	5.90	0	2041
153085	1	39850	379	484	.63	.18	.45	.04	.49	0	2042
153085	1	39850	373	768	3.21	.2	3.09	-0.04	3.05	0	2043
153085	1	39850	427	1027	3.48	.12	3.36	-0.13	3.23	0	2044
153085	1	39850	400	1978	4.24	.15	4.09	-0.21	3.82	0	2045
153085	1	39850	266	5496	-0.08	-0.26	.18	.22	.40	0	2046
153085	1	39850	382	3521	3.37	.01	3.16	.46	3.24	0	2047
153085	1	39850	468	768	3.15	.08	3.27	-0.10	3.17	0	2048
153085	1	39850	480	599	6.65	.09	6.56	-0.19	6.37	0	2049
153085	1	39850	482	304	.46	-0.04	.50	-0.04	.46	0	2050
153085	1	39800	322	4118	.60	.18	.42	.0	.42	0	2051
153085	1	39800	373	2821	3.06	.11	2.95	-0.09	2.87	0	2052
153085	1	39800	423	1661	3.04	-0.03	3.07	-0.20	2.87	0	2053
153085	1	39800	449	1034	3.83	.14	3.69	-0.11	3.58	0	2054
153085	1	39800	468	559	3.49	.07	3.42	-0.13	3.29	0	2055
153085	1	39800	470	414	4.47	.08	4.39	-0.22	4.17	0	2056
153085	1	39800	217	7177	.42	.08	.34	.0	.34	0	2057
153085	1	39800	244	7551	-0.44	.14	-0.58	.17	-0.41	0	2058
153085	1	39800	350	1285	5.03	.12	4.91	-0.13	4.78	0	2059
153085	1	39800	476	277	.27	-0.03	.30	.12	.42	0	2060
153085	1	39800	466	591	5.87	.12	5.71	-0.01	5.70	0	2061
153085	1	39800	473	699	5.46	.10	5.36	-0.02	5.28	0	2062
153085	1	39850	314	5235	.30	.05	.25	.05	.30	0	2063
153085	1	39850	299	5607	.48	.07	.41	.02	.47	0	2064
153085	1	39850	312	292	2.50	.13	2.37	-0.04	2.32	0	2065
153085	1	39850	296	706	2.29	.12	2.17	-0.04	2.13	0	2066
153085	1	39850	340	2629	2.65	.13	2.52	-0.06	2.46	0	2067
153085	1	39850	412	578	3.48	.11	3.37	-0.14	3.23	0	2068
153085	1	39850	424	2999	2.70	.18	3.52	-0.09	3.42	0	2069
153085	1	39850	337	5347	2.34	-0.09	2.43	.39	2.62	0	2070
153085	1	39850	210	6088	.54	.13	.41	.04	.45	0	2071
153085	1	39850	202	9774	-0.53	.04	-0.57	.10	-0.47	0	2072
153085	1	39850	339	5797	3.62	.12	3.50	-0.09	3.41	0	2073
153085	1	39850	414	3429	4.45	.13	4.32	-0.15	4.17	0	2074
153085	1	39850	501	687	3.97	.17	3.80	-0.11	3.69	0	2075
153085	1	39850	520	317	.23	-0.30	.53	-0.54	-0.01	0	2076
153085	1	39850	529	549	6.98	.35	6.63	-0.27	6.36	0	2077
153085	1	39850	468	2388	.25	.10	.15	.06	.21	0	2078
153085	1	39850	415	4627	3.06	.16	2.90	.12	3.03	0	2079
153085	1	39850	302	7416	2.17	.07	2.10	.12	2.10	0	2080
153085	1	39850	281	6198	.47	.12	.35	.12	.48	0	2081
153085	1	39850	354	4235	2.67	.10	2.57	-0.07	2.50	0	2082
153085	1	39850	410	2174	3.02	.13	2.89	-0.06	2.83	0	2083
153085	1	39850	453	256	4.26	.15	4.11	-0.14	3.97	0	2084

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ACCELEROMETER DATA

A/C SER.NO. 153005 FLT.NO. 1 DATE 4/29/70 FLT.TIME 080PRS.

6.06 7.06 8.56 10.06

COUNTS BEFORE FLT 9836 9523 9526 5303

COUNTS AFTER FLT 9844 9524 9526 5303

DIFFERENCE 6 1 0 0

CG ACCEL. 9 1 0 0

FORE ACCEL. 10 2 0 0

AFT ACCEL. 7 0 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

A-138

SEC. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
2012	5.81	6.01	5.59
2027	6.06	6.12	5.82
2043	6.15	6.43	5.50
2046	6.56	6.65	6.27
2063	5.71	5.83	5.70
2077	6.62	6.58	6.26
2095	6.81	6.75	6.26
2108	6.67	6.51	6.49
2115	5.33	6.49	6.44
2116	5.93	6.12	5.72

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153085	1	37550	472	366	.33	.31	.02	.15	.17	0	2085
153085	1	37550	419	1046	4.73	.19	4.54	-0.19	4.35	0	2086
153085	1	37550	205	5027	2.75	.10	2.65	-0.05	2.60	0	2087
153085	1	37350	286	5951	-0.30	-0.26	-0.04	.14	.10	0	2088
153085	1	37350	319	5307	-0.30	.28	-0.58	-0.15	-0.73	0	2089
153085	1	37350	406	7402	2.02	.06	2.76	-0.09	2.67	0	2090
153085	1	37350	446	1866	2.69	.05	2.64	-0.05	2.59	0	2091
153085	1	37350	461	738	2.69	.02	3.87	-0.17	3.70	0	2092
153085	1	37350	479	320	2.45	.08	2.37	-0.07	2.30	0	2093
153085	1	37350	486	269	.23	-0.25	.48	-0.42	.06	0	2094
153085	1	37350	485	684	6.75	-0.06	6.81	-0.55	6.26	0	2095
153085	1	37350	381	3392	3.18	.09	3.09	-0.15	2.94	0	2096
153085	1	37350	316	5654	2.45	.08	2.37	-0.08	2.29	0	2097
153085	1	37350	286	6586	2.22	.06	2.16	-0.07	2.09	0	2098
153085	1	37350	301	5182	2.47	.02	2.45	-0.09	2.36	0	2099
153085	1	37150	362	3226	3.30	.01	3.29	-0.14	3.15	0	2100
153085	1	37150	414	2520	3.69	.06	3.63	-0.12	3.51	0	2101
153085	1	37150	472	734	4.07	.15	3.92	-0.03	3.89	0	2102
153085	1	37150	455	1926	4.84	.15	4.69	-0.25	4.44	0	2103
153085	1	37150	297	8004	-0.46	.07	-0.53	.09	-0.44	0	2104
153085	1	37150	334	6223	3.97	.10	3.87	-0.17	3.70	0	2105
153085	1	37150	302	7500	4.77	.14	4.63	-0.23	4.40	0	2106
153085	1	37150	491	489	-0.13	-0.31	.18	-0.32	-0.14	0	2107
153085	1	37150	486	845	6.91	.24	6.67	-0.18	6.45	0	2108
153085	1	37150	439	1525	2.89	.09	2.80	-0.06	2.74	0	2109
153085	1	36550	338	5478	2.18	.07	2.11	-0.02	2.05	0	2110
153085	1	36550	374	4261	3.23	.15	3.08	-0.15	2.93	0	2111
153085	1	36550	449	1554	2.39	.10	2.29	-0.06	2.23	0	2112
153085	1	36550	459	1210	2.78	.13	2.65	-0.03	2.62	0	2113
153085	1	36550	464	621	2.02	.12	2.91	-0.05	2.86	0	2114
153085	1	36550	466	623	6.49	.16	6.33	.11	6.44	0	2115
153085	1	36550	467	622	-1.15	.21	-1.36	.0	-1.36	0	2116
153085	1	36550	468	415	3.29	.07	3.22	-0.03	3.19	0	2117
153085	1	36550	475	742	.54	-0.15	.69	-0.47	.22	0	2118
153085	1	36550	462	673	6.12	.19	5.93	-0.21	5.72	0	2119
153085	1	36550	389	1235	2.41	.13	3.28	-0.09	3.19	0	2120
153085	1	36550	330	2102	2.43	.08	2.35	-0.02	2.33	0	2121
153085	1	36550	356	818	2.23	.14	2.09	.03	2.12	0	2122
153085	1	36550	302	1277	2.39	.14	2.25	-0.02	2.22	0	2123
153085	2	46740	253	1049	.36	.06	.30	-0.07	.23	0	2001
153085	2	4670	250	1143	1.47	-0.07	1.94	.40	2.34	0	2002
153085	2	4670	250	1219	-0.91	-0.11	-0.80	.04	-0.76	0	2003
153085	2	4670	285	1281	.37	.05	.28	.19	.13	0	2004
153085	2	4670	289	1216	.34	.13	.21	.15	.40	0	2005
153085	2	4670	294	1205	.34	.04	.30	.15	.45	0	2006

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	AZ FCRE	AZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153045	2	44670	245	856	1.76	-0.05	1.81	.41	2.22	0	2007
153045	2	44670	244	883	-0.69	-0.23	-0.46	.20	-0.26	0	2008
153045	2	44670	352	504	2.17	.04	2.13	.04	2.17	0	2009
153045	2	44670	357	1188	2.01	.05	2.04	.05	2.12	0	2010
153045	2	44670	359	1265	2.01	-0.03	2.04	.14	2.12	0	2011
153045	2	44670	360	1369	2.12	.10	2.02	.17	2.19	0	2012
153045	2	44670	360	1471	2.35	0	2.35	.01	2.36	0	2013
153045	2	44670	475	2015	2.19	.03	2.16	.05	2.21	0	2014
153045	2	44100	482	1639	1.97	-0.02	1.99	.14	2.13	0	2015
153045	2	44100	623	3061	3.77	.11	3.66	0	3.66	0	2016
153045	2	44100	309	8644	.07	-0.26	.43	.15	.62	0	2017
153045	2	44100	290	7803	.57	-0.18	.75	-0.58	.25	0	2018
153045	2	44100	247	8609	.46	.10	.35	.27	.59	0	2019
153045	2	44100	154	10736	-0.62	.02	-0.64	.21	-0.43	0	2020
153045	2	44100	250	8913	2.11	-0.05	2.16	.09	2.24	0	2021
153045	2	44100	463	509	4.14	-0.11	4.25	-0.11	4.14	0	2022
153045	2	44100	400	394	.06	-0.60	.66	-0.52	.14	0	2023
153045	2	44100	404	830	6.59	.07	6.56	.11	6.45	0	2024
153045	2	44100	376	1837	2.17	.13	2.04	.13	2.17	0	2025
153045	2	44100	246	6919	.26	.05	.21	.13	.32	0	2026
153045	2	44100	242	7314	.19	.01	.18	.17	.35	0	2027
153045	2	44100	241	7511	.37	.05	.32	.23	.55	0	2028
153045	2	43700	277	7504	.51	.15	.36	.23	.59	0	2029
153045	2	43700	435	3176	2.73	.07	2.66	0	2.66	0	2030
153045	2	43700	450	1765	4.36	.04	4.32	-0.04	4.28	0	2031
153045	2	43700	473	703	2.47	-0.04	2.51	.05	2.60	0	2032
153045	2	43700	478	550	2.32	-0.05	2.37	.02	2.39	0	2033
153045	2	43700	404	408	2.49	-0.06	2.55	-0.04	2.51	0	2034
153045	2	43700	512	371	.22	.20	.02	1.14	1.16	0	2035
153045	2	43700	518	370	.46	.12	.34	.16	.50	0	2036
153045	2	43700	510	3320	5.90	.17	5.73	-0.12	5.61	0	2037
153045	2	43700	451	4991	-1.80	-1.05	-0.75	.42	-0.33	0	2038
153045	2	43700	387	7410	-1.26	-6.61	5.35	.31	5.66	0	2039
153045	2	43700	346	8673	-0.41	-4.61	4.20	.94	5.14	0	2040
153045	2	43700	328	6237	-0.29	-4.04	3.75	1.24	4.99	0	2041
153045	2	43700	240	11465	-0.17	-3.47	3.30	.65	3.95	0	2042
153045	2	43700	200	1292	.28	.10	.18	.07	.25	0	2043
153045	2	43700	166	12769	-0.29	-0.01	-0.28	.13	-0.15	0	2044
153045	2	43700	279	11551	2.52	.03	2.49	.13	2.62	0	2045
153045	2	43700	300	10012	2.84	.01	2.83	.10	2.92	0	2046
153045	2	43700	266	6172	.49	.19	.30	.35	.65	0	2047
153045	2	43700	304	8289	3.06	.06	3.00	.07	3.03	0	2048
153045	2	43700	255	6144	1.97	-0.05	2.02	.15	2.21	0	2049
153045	2	43700	223	8262	1.80	-0.14	1.94	.16	2.12	0	2050
153045	2	43700	304	5136	2.88	.08	2.80	.13	2.93	0	2051

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	HAMUEVER CODE	SEQUENCE NUMBER
152005	2	4300	347	4145	3.25	.03	3.22	.14	3.36	0	2052
152005	2	4300	420	2287	3.16	-0.01	3.17	0	3.17	0	2053
152005	2	4300	451	1554	3.50	-0.12	3.62	.02	3.64	0	2054
152005	2	4300	471	1105	3.06	.12	3.73	.09	3.82	0	2055
152005	2	4300	476	517	2.70	.10	2.60	.11	2.71	0	2056
152005	2	4300	474	358	.24	-0.05	.29	.09	.30	0	2057
152005	2	4300	476	669	4.92	.16	4.76	-0.11	4.65	0	2058
152005	2	4300	262	6501	-1.21	-0.20	-0.91	.25	-0.66	0	2059
152005	2	4300	365	4585	2.21	.07	2.14	.12	2.26	0	2060
152005	2	4300	465	1405	2.14	-0.07	2.25	.06	2.31	0	2061
152005	2	4300	478	694	4.27	.09	4.18	-0.07	4.15	0	2062
152005	2	4300	482	408	-0.12	-0.24	.12	-0.10	.02	0	2063
152005	2	4300	485	732	6.43	.14	6.29	.04	6.25	0	2064
152005	2	4300	334	4635	2.42	-0.09	2.51	.10	2.61	0	2065
152005	2	4270	370	4089	2.45	-0.10	2.95	.02	2.98	0	2066
152005	2	4270	460	2506	.19	.13	.06	.14	.20	0	2067
152005	2	4270	526	1849	2.42	.04	2.38	.21	2.59	0	2068
152005	2	4270	526	884	3.82	.07	3.75	0	3.79	0	2069
152005	2	4270	522	496	.54	.31	.23	.20	.42	0	2070
152005	2	4270	536	530	-1.46	.16	-1.62	.17	-1.49	0	2071
152005	2	4270	527	346	3.15	-0.60	3.75	1.39	5.14	0	2072
152005	2	4270	532	707	7.25	.20	7.05	-0.03	7.02	0	2073
152005	2	4240	174	6253	.49	.12	.37	.21	.58	0	2074
152005	2	4240	285	6072	2.18	-0.01	2.19	.06	2.25	0	2075
152005	2	4240	354	4704	3.07	-0.04	3.11	.02	3.12	0	2076
152005	2	4240	397	3491	2.83	-0.02	2.85	-0.01	2.84	0	2077
152005	2	4240	426	2568	2.79	.04	2.75	.06	2.81	0	2078
152005	2	4240	492	785	2.80	.02	2.78	-0.04	2.74	0	2079
152005	2	4240	524	397	2.04	0	2.04	.14	2.18	0	2080
152005	2	4240	522	446	-0.05	.02	-0.07	-0.12	-0.25	0	2081
152005	2	4200	527	497	.30	.13	.17	.07	.24	0	2082
152005	2	4240	537	658	2.97	.46	3.51	.04	3.55	0	2083
152005	2	4240	532	641	-1.84	-0.40	-1.44	.39	-1.05	0	2084
152005	2	4240	530	594	-1.59	-0.55	-0.95	.39	-1.27	0	2085
152005	2	4240	551	471	2.83	.02	2.81	.02	2.82	0	2086
152005	2	4240	554	459	.05	-0.04	.09	-0.12	-0.09	0	2087
152005	2	4240	547	622	6.47	.14	6.33	-0.10	6.23	0	2088
152005	2	4240	412	2550	.34	.03	.31	.09	.40	0	2089
152005	2	4240	350	5886	.43	.04	.39	.12	.52	0	2090
152005	2	4200	284	7869	.44	.16	.28	.12	.50	0	2091
152005	2	4200	280	7714	.31	.12	.19	.06	.25	0	2092
152005	2	4200	296	7685	1.95	-0.06	2.02	.14	2.16	0	2093
152005	2	4200	367	6093	2.47	-0.04	2.51	.07	2.58	0	2094
152005	2	4200	384	5167	.44	.09	.35	.25	.60	0	2095
152005	2	4200	464	2835	4.64	.06	4.58	.05	4.62	0	2096



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BURF4U NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRF	NZ DIFF. (FCRF-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCOE	SEQUENCE NUMBER
153045	2	42000	530	1781	3.99	.08	3.91	.06	3.97	0	2097
153045	2	42000	557	582	1.98	-0.03	2.01	.15	2.16	0	2098
153045	2	42000	554	545	2.08	.08	2.00	.18	2.18	0	2099
153045	2	42000	527	470	.11	.12	-0.01	.12	.59	0	2100
153045	2	42000	513	508	.50	.12	.38	.21	.59	0	2101
153045	2	42000	521	509	.33	.10	.23	.12	.75	0	2102
153045	2	42000	530	610	6.30	-0.80	7.10	.80	7.90	0	2103
153045	2	42000	529	634	3.15	.04	3.11	-0.06	3.05	0	2104
153045	2	42000	517	758	-2.05	-1.56	-0.49	.05	-0.40	0	2105
153045	2	42000	520	747	-1.26	-0.53	-0.33	.14	-0.15	0	2106
153045	2	42000	523	770	0	.13	-0.13	.04	-0.09	0	2107
153045	2	42000	531	797	.34	.05	.29	.05	.28	0	2108
153045	2	42000	522	734	.04	-0.25	.29	-0.66	-0.37	0	2109
153045	2	42000	485	982	5.41	.07	5.34	-0.11	5.23	0	2110
153045	2	41600	262	8294	2.19	.03	2.16	.11	2.27	0	2111
153045	2	41600	292	7577	2.13	-0.14	2.27	.12	2.39	0	2112
153045	2	41600	301	7240	.46	.41	.45	.05	.40	0	2113
153045	2	41600	313	7191	2.02	-0.12	2.14	.05	2.23	0	2114
153045	2	41600	352	6279	2.18	0	2.18	.05	2.23	0	2115
153045	2	41600	305	5234	2.53	-0.05	2.58	.02	2.61	0	2116
153045	2	41600	402	5287	5.38	-0.01	5.39	-0.17	5.22	0	2117
153045	2	41600	508	1680	2.50	0	2.50	.11	2.61	0	2118
153045	2	41600	522	798	3.69	-0.03	3.72	-0.02	3.69	0	2119
153045	2	41600	529	581	.16	.07	.09	.12	.21	0	2120
153045	2	41600	532	568	.28	-0.01	.29	.08	.37	0	2121
153045	2	41600	541	773	7.52	-0.41	7.93	.32	8.25	0	2122
153045	2	41600	536	571	-1.54	-0.43	-1.11	-0.42	-1.53	0	2123
153045	2	41600	527	670	-1.45	-0.31	-1.14	-0.36	-1.50	0	2124
153045	2	41600	528	609	4.08	.05	4.03	.65	4.72	0	2125
153045	2	41600	480	1161	6.82	.13	6.69	-0.09	6.60	0	2126
153045	2	41200	320	5797	.34	.12	.22	.02	.24	0	2127
153045	2	41200	372	4284	.23	.11	.12	.18	.30	0	2128
153045	2	41200	433	2153	2.75	.04	2.71	.04	2.75	0	2129
153045	2	41200	467	2212	3.51	.08	3.43	.02	3.45	0	2130
153045	2	41200	402	1394	2.79	.03	2.76	.15	2.94	0	2131
153045	2	41200	500	950	2.15	-0.02	2.17	.05	2.26	0	2132
153045	2	41200	407	659	2.30	-0.02	2.32	.07	2.39	0	2133
153045	2	41200	402	610	2.39	.01	2.38	.17	2.55	0	2134
153045	2	41200	463	770	5.74	-0.46	6.20	.21	6.41	0	2135
153045	2	41200	456	606	-0.02	.25	-0.01	-0.12	-0.42	0	2136
153045	2	41200	453	644	-0.85	-0.13	-0.72	-0.72	-1.45	0	2137
153045	2	41200	455	708	-1.14	-0.12	-1.02	-0.15	-1.21	0	2138
153045	2	41200	455	741	-1.69	-0.13	-1.36	-0.12	-1.49	0	2139
153045	2	41200	463	734	-0.57	-0.05	-0.52	-0.71	-1.23	0	2140
153045	2	41200	465	706	-1.04	.09	-1.13	-0.58	-1.71	0	2141

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153085	2	41200	469	634	-1.08	-0.11	-0.97	-0.09	-1.06	0	2142
153085	2	41200	477	585	-0.25	.12	-0.37	.28	-0.09	0	2143
153085	2	41200	482	546	7.44	-0.05	7.32	.21	2.83	0	2144
153085	2	41200	487	1048	7.44	.07	7.37	-0.16	7.21	0	2145
153085	2	41200	173	7175	.45	.06	.39	.15	.54	0	2146
153085	2	41200	204	7166	.34	.02	.32	.12	.45	0	2147
153085	2	41200	225	7051	.31	.12	.19	.08	.28	0	2148
153085	2	41200	268	6832	.34	.24	.10	.08	.18	0	2149
153085	2	41200	285	6490	.52	.22	.30	.14	.49	0	2150
153085	2	41200	414	3657	2.47	.01	2.46	.05	2.51	0	2151
153085	2	41200	440	2861	2.76	-0.07	2.83	.13	2.96	0	2152
153085	2	41200	460	2139	3.55	.01	3.54	.10	3.64	0	2153
153085	2	41200	468	1086	3.01	.03	2.98	.12	3.10	0	2154
153085	2	41200	468	758	2.91	.02	2.89	.12	3.02	0	2155
153085	2	41200	460	455	.50	.13	.37	.18	.55	0	2156
153085	2	41200	465	496	.47	.07	.33	.01	.34	0	2157
153085	2	41200	474	1233	4.84	.18	4.74	.15	4.72	0	2158
153085	2	41200	205	8041	-0.09	.14	-0.22	.14	-0.07	0	2159
153085	2	41200	215	8431	-0.17	.17	-0.47	.19	-0.32	0	2160
153085	2	41200	233	8089	-0.17	.17	-0.34	.19	-0.15	0	2161
153085	2	41200	346	3544	4.43	.01	4.42	.02	4.40	0	2162
153085	2	41200	456	628	6.18	.18	6.00	.08	6.08	0	2163
153085	2	41200	340	2524	2.42	.02	2.39	.05	2.44	0	2164
153085	2	41200	189	6304	.40	.05	.35	.18	.53	0	2165
153085	2	41200	162	6756	-0.03	0	-0.03	.18	.15	0	2166
153085	2	41200	370	4099	2.13	-0.02	2.15	.05	2.20	0	2167
153085	2	41200	482	1741	4.68	-0.02	4.70	.07	4.82	0	2168
153085	2	41200	498	758	2.91	-0.16	3.07	.07	3.14	0	2169
153085	2	41200	509	661	3.05	.02	3.02	.04	3.06	0	2170
153085	2	41200	523	471	.57	.57	0	.07	.07	0	2172
153085	2	41200	578	372	.36	.14	.22	.16	.38	0	2173
153085	2	41200	510	495	.10	-0.08	.18	.13	-0.11	0	2174
153085	2	41200	506	309	2.82	.01	2.81	.07	2.94	0	2175
153085	2	41200	480	3471	4.24	0	4.24	.13	4.16	0	2176
153085	2	41200	312	3772	2.26	.01	2.25	.07	2.24	0	2177
153085	2	41200	302	4304	2.29	.04	2.25	.01	2.24	0	2178
153085	2	41200	336	4124	2.67	.08	2.59	.02	2.61	0	2179
153085	2	41200	345	3651	.34	.02	.32	.10	.42	0	2180
153085	2	41200	370	4027	-0.41	.06	-0.47	.11	-0.36	0	2181
153085	2	41200	365	7696	-0.51	.06	-0.57	.11	-0.46	0	2182
153085	2	41200	377	1553	1.93	-0.08	2.01	.22	2.23	0	2183
153085	2	41200	371	1525	2.27	.03	2.24	.02	2.26	0	2184
153085	2	41200	325	1551	2.44	.03	2.41	.04	2.45	0	2185
153085	2	41200	327	2277	2.88	.05	2.83	.04	2.87	0	2186
153085	2	41200	220	4207	.34	.08	.26	.12	.38	0	2187

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	A2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
152045	2	29000	402	2892	1.98	-0.03	2.01	.15	2.32	0	2188
152045	2	29000	468	281	2.34	.08	2.26	.06	2.32	0	2189
152045	2	29000	467	508	2.44	-0.01	2.45	.05	2.54	0	2190
152045	2	29000	461	1097	2.53	.05	2.48	.03	2.51	0	2191
152045	2	29000	448	1298	3.25	-0.06	3.31	.15	3.46	0	2192
152045	2	29000	476	1879	3.53	-0.11	3.64	.06	3.70	0	2193
152045	2	29000	414	2683	3.42	0	3.42	.03	3.47	0	2194
152045	2	29000	367	4291	2.82	0	2.82	0	2.82	0	2195
152045	2	29000	320	5542	2.26	-0.12	2.39	.04	2.43	0	2196
152045	2	29000	310	5735	2.05	.12	1.94	.01	1.95	0	2197
152045	2	29000	302	6000	1.85	.14	1.71	-0.04	1.67	0	2198
152045	2	29000	292	6434	2.48	-0.14	2.62	.31	2.52	0	2199
152045	2	29000	124	6623	.42	.05	.33	.08	.41	0	2200
152045	2	29000	102	10274	.19	.01	.18	.02	.26	0	2201
152045	2	29000	95	10453	.25	.05	.20	.15	.35	0	2202
152045	2	29000	115	10772	.34	.08	.26	.12	.30	0	2203
152045	2	29000	.37	10125	.31	.12	.19	.19	.28	0	2204
152045	2	29000	252	8150	2.25	-0.04	2.29	.05	2.34	0	2205
152045	2	29000	351	5156	2.78	-0.04	2.82	.16	2.92	0	2206
152045	2	29000	381	4060	3.25	-0.05	3.30	.06	3.36	0	2207
152045	2	29000	306	3325	3.21	-0.06	3.27	.10	3.37	0	2208
152045	2	29000	410	2644	3.24	.05	3.19	-0.02	3.17	0	2209
152045	2	29000	434	1117	3.27	-0.12	3.39	.15	3.54	0	2210
152045	2	29000	414	858	2.48	-0.09	2.57	.16	2.72	0	2211
152045	2	29000	464	518	2.07	-0.11	2.18	.13	2.31	0	2212
152045	2	29000	390	1121	2.17	-0.01	2.18	.26	2.44	0	2213
152045	2	29000	394	1248	2.02	-0.14	2.16	.23	2.41	0	2214
152045	2	29000	380	1428	2.23	0	2.23	.10	2.19	0	2215
152045	2	29000	273	6625	2.05	-0.11	2.16	.10	2.26	0	2216
152045	2	29200	273	6625	2.14	-0.03	2.17	-0.07	2.10	0	2217
152045	2	29200	280	6689	2.26	.01	2.25	.10	2.35	0	2218
152045	2	29200	305	6013	2.79	-0.09	2.88	.12	2.81	0	2219
152045	2	29200	310	5605	2.06	-0.07	2.13	.07	2.20	0	2220
152045	2	29200	324	5782	2.15	-0.01	2.16	.11	2.27	0	2221
152045	2	29200	336	5129	2.14	.02	2.32	.14	2.46	0	2222
152045	2	29200	345	4884	2.17	-0.01	2.48	.13	2.61	0	2223
152045	2	29200	360	4284	2.46	.01	2.45	.10	2.55	0	2224
152045	2	29200	371	3681	2.34	-0.03	2.37	.09	2.46	0	2225
152045	2	29200	380	3475	2.44	.07	2.36	.05	2.46	0	2226
152045	2	29200	788	3211	2.35	-0.01	2.64	.08	2.44	0	2227
152045	2	29200	402	2723	2.60	-0.04	2.64	.12	2.77	0	2228
152045	2	29200	407	2419	2.15	.16	1.99	.22	2.21	0	2229
152045	2	29200	411	2274	2.01	0	2.01	.17	2.10	0	2230
152045	2	29200	418	1986	2.21	-0.02	2.23	.06	2.17	0	2231
152045	2	29200	425	1958	.42	.23	.19	.17	.26	0	2232

ACCELEROMETER DATA

A/C SER.NO. 153085 FLT.NO. 2 DATE 4/30/70 FLT.TIME .78MRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 9844 5524 9526 9303

COUNTS AFTER FLT 9258 5529 9527 9303

DIFFERENCE 12 5 1 0

CG ACCEL. 10 4 0 0

FORE ACCEL. 10 4 0 0

AFT ACCEL. 10 4 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

A-145

SEC. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
2024	6.58	6.59	6.45
2027	5.73	5.90	5.61
2064	6.29	6.43	6.25
2073	7.05	7.25	7.02
2088	6.33	6.47	6.22
2163	7.10	6.30	7.50
2122	7.93	7.52	8.25
2126	6.68	6.82	6.60
2135	6.20	5.74	6.41
2148	7.37	7.44	7.21
2163	6.00	6.18	6.08

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	N7 FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AF1	MANUEVER CODE	SEQUENCE NUMBER
1520A5	2	39200	397	1502	2.01	-0.14	2.15	.00	2.23	0	2232
1520A5	2	39200	390	1908	1.93	-0.11	2.04	.17	2.21	0	2234
1520A5	2	39200	352	2520	1.67	-0.24	1.91	.24	2.25	0	2235
1520A5	2	39200	364	2635	2.09	-0.16	2.24	.21	2.45	0	2236
1520A5	2	39200	381	2116	1.92	-0.08	2.00	.19	2.19	0	2237
1520A5	2	39200	412	270	2.05	.03	2.02	.14	2.16	6	2238
1520A5	2	39200	415	224	2.03	-0.01	2.04	.16	2.20	0	2239
1520A5	2	39200	415	234	2.17	.06	2.11	.07	2.18	0	2240
1520A5	2	39200	412	511	2.11	-0.14	2.25	.02	2.27	0	2241
1520A5	2	39200	391	2189	1.91	.01	1.90	.25	2.15	0	2242
1520A5	2	39200	219	7263	.32	.05	.27	.12	.40	0	2243
1520A5	2	39200	181	295	.06	.10	-0.04	.15	.11	0	2244
1520A5	2	39200	157	5042	.39	.09	.30	.10	.40	0	2245
1520A5	2	39200	178	5611	.15	-0.03	.18	.04	.22	0	2246
1520A5	2	39200	151	5760	.27	.02	.21	.11	.22	0	2247
1520A5	2	39200	331	2499	.39	.05	.30	.26	.55	0	2248
1520A5	2	39200	446	1934	3.73	-0.02	3.75	.07	3.63	0	2249
1520A5	2	39200	335	5263	2.20	.05	2.11	.05	2.18	0	2250
1520A5	2	39200	276	6270	2.30	.03	2.25	.05	2.31	0	2251
1520A5	2	39200	265	7208	2.29	.03	2.26	.05	2.31	0	2252
1520A5	2	39200	308	4557	.36	.02	.34	.15	.49	0	2253
1520A5	2	39200	314	2874	2.15	.04	2.11	.06	2.17	0	2254
1520A5	2	39200	346	1880	2.05	.03	2.02	.12	2.15	0	2255
1520A5	2	39200	319	2136	2.71	.13	2.58	.07	2.65	0	2256
1520A5	2	39200	292	2388	2.43	.07	2.36	.04	2.40	0	2257
1520A5	2	39200	304	1901	2.27	.05	2.22	.04	2.29	0	2258
1520A5	2	39200	306	1751	2.41	.10	2.31	.11	2.30	0	2259
1520A5	2	39200	309	1639	2.30	.14	2.16	.05	2.27	0	2260
1520A5	2	39200	316	1446	2.19	.07	2.16	.12	2.21	0	2261
1520A5	2	39200	264	2152	.34	.04	.30	.05	.42	0	2262
1520A5	2	39200	202	1705	.54	.14	.36	.05	.41	0	2263
1520A5	2	45340	191	37	-0.09	-0.41	.32	.22	.54	0	1001
1520A5	2	45340	211	37	.48	.12	.36	.27	.09	0	1002
1520A5	2	44500	204	2627	.47	.09	.38	.0	.38	0	1003
1520A5	2	44200	457	121	2.10	.0	2.10	.12	.38	0	1004
1520A5	2	44200	308	3332	3.51	.10	3.41	.14	3.27	0	1005
1520A5	2	44200	307	5820	-0.01	-0.26	.35	.21	.56	0	1006
1520A5	2	44200	290	5441	.58	-0.03	.61	.42	.19	0	1007
1520A5	2	44200	186	5693	-0.26	-0.06	-0.20	.04	-0.16	0	1008
1520A5	2	44200	200	5660	-0.43	.06	-0.49	.04	-0.45	0	1009
1520A5	2	44200	383	4856	4.09	.17	3.92	.10	4.02	0	1010
1520A5	2	44200	472	526	4.26	-0.02	4.28	.15	4.09	0	1011
1520A5	2	44200	505	403	6.30	.05	6.21	.17	5.57	0	1012
1520A5	2	44200	307	7640	-0.10	-0.35	.25	.17	.42	0	1013
1520A5	2	44200	386	4237	2.56	-0.01	2.57	.15	2.72	0	1014

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EGV. A/S (KNCTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CC)	NZ AFT	MANUEVER CCCE	SEQUENCE NUMBER
1530A5	3	44200	367	4685	2.57	.02	2.55	-0.05	2.50	0	1015
1530B5	3	44200	348	4497	2.45	-0.09	2.54	-0.15	2.39	0	1016
1530A5	3	44200	346	4179	2.24	.07	2.21	-0.02	2.12	0	1017
1530A5	3	44200	379	4034	2.29	-0.03	2.32	-0.04	2.28	0	1018
1530A5	3	44200	378	3926	2.58	.04	2.54	-0.06	2.48	0	1019
1530A5	3	44200	328	3844	2.22	0	2.22	-0.06	2.16	0	1020
1530A5	3	44200	231	3544	.29	-0.11	.40	-0.03	.27	0	1021
1530A5	3	43800	258	3550	1.89	-0.08	1.97	.18	2.15	0	1022
1530A5	3	43800	310	3384	2.24	-0.05	2.42	-0.06	2.26	0	1023
1530A5	3	43800	377	2294	2.21	-0.05	2.26	0	2.26	0	1024
1530A5	3	43800	404	1812	2.62	.09	2.53	-0.02	2.51	0	1025
1530A5	3	43800	454	1052	2.98	.02	2.96	-0.02	2.94	0	1026
1530A5	3	43800	452	717	2.30	-0.02	2.32	0	2.22	0	1027
1530A5	3	43800	448	594	2.40	-0.01	2.39	-0.03	2.36	0	1028
1530A5	3	43800	442	766	1.96	-0.04	2.00	.23	2.23	0	1029
1530A5	3	43800	455	157	2.52	.07	2.45	.18	2.61	0	1030
1530A5	3	43800	556	13	.62	.02	.60	-0.17	.43	0	1031
1530A5	3	43800	569	1192	7.36	.19	7.17	-0.21	6.98	0	1032
1530A5	3	43800	480	3763	-1.41	-1.04	-0.37	.38	.01	0	1033
1530A5	3	43800	417	6310	-0.01	-5.36	5.35	.73	6.06	0	1034
1530A5	3	43800	293	3790	.46	.20	.26	-0.23	.03	0	1035
1530A5	3	43800	241	10780	.19	-0.06	.25	.02	.28	0	1036
1530A5	3	43800	234	13588	.72	.04	.18	0	.18	0	1037
1530A5	3	43800	354	5995	3.21	0	3.21	-0.10	3.11	0	1038
1530A5	3	43800	358	4850	3.45	.06	3.39	-0.10	3.29	0	1039
1530A5	3	43800	306	3017	2.75	.01	2.74	-0.01	2.73	0	1040
1530A5	3	43800	294	3138	2.15	-0.07	2.22	.11	2.33	0	1041
1530A5	3	43800	297	3769	2.09	-0.07	2.16	-0.06	2.10	0	1042
1530A5	3	43800	288	3582	2.03	-0.05	2.08	.01	2.09	0	1043
1530A5	3	43800	287	3812	2.16	-0.05	2.21	0	2.21	0	1044
1530A5	3	43800	284	4062	2.30	-0.27	2.57	.04	2.61	0	1045
1530A5	3	43800	287	4048	2.28	-0.12	2.40	.07	2.47	0	1046
1530A5	3	43800	310	3787	2.47	-0.12	2.59	-0.05	2.50	0	1047
1530A5	3	43800	338	3444	2.78	-0.05	2.83	-0.12	2.71	0	1048
1530A5	3	43800	361	3020	2.96	-0.05	3.01	-0.07	2.94	0	1049
1530A5	3	43800	420	1866	2.65	-0.07	2.72	-0.11	2.61	0	1050
1530A5	3	43800	481	458	3.59	-0.08	3.67	-0.18	3.49	0	1051
1530A5	3	43800	486	145	.64	.05	.59	-0.06	.53	0	1052
1530A5	3	43800	487	577	5.45	.12	5.33	-0.22	5.10	0	1053
1530A5	3	43800	293	6555	-0.28	-0.31	.03	.22	.25	0	1054
1530A5	3	43800	316	5543	.64	.04	.50	-0.25	.21	0	1055
1530A5	3	43800	324	5241	2.03	-0.35	2.38	-0.22	2.16	0	1056
1530A5	3	43800	387	4090	2.75	-0.16	2.91	-0.14	2.77	0	1057
1530A5	3	43800	485	509	4.44	.14	4.30	-0.03	4.27	0	1058
1530A5	3	43800	405	327	.57	-0.29	.86	-0.42	.44	0	1059

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RUNFAU NUMBER	FLIGHT NUMBER	CRCS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	2	43200	404	607	6.11	.12	5.99	-0.27	5.72	0	1061
1530A5	2	43200	410	1640	2.66	-0.02	3.68	.02	3.70	0	1062
1530A5	2	43200	380	2915	.52	-0.04	.56	-0.04	.52	0	1063
1530A5	2	43200	343	4035	2.16	-0.06	2.22	.01	2.23	0	1064
1530A5	2	43200	290	4411	2.05	-0.02	2.07	-0.02	2.05	0	1065
1530A5	2	43200	274	4920	2.13	-0.02	2.15	0	2.15	0	1066
1530A5	2	43200	313	4212	2.34	-0.02	2.41	0	2.42	0	1067
1530A5	2	43200	310	7649	2.21	-0.05	2.26	.10	2.36	0	1068
1530A5	2	43200	319	2661	2.52	-0.13	2.66	-0.15	2.47	0	1069
1530A5	2	43200	327	2713	2.14	-0.10	2.24	-0.01	2.23	0	1070
1530A5	2	43200	351	2351	2.29	-0.04	2.33	-0.01	2.25	0	1071
1530A5	2	43200	345	2359	2.11	.01	2.10	-0.02	2.07	0	1072
1530A5	2	43200	343	4178	2.56	-0.01	2.83	-0.06	2.77	0	1073
1530A5	2	43200	350	4116	2.88	-0.24	3.16	-0.06	3.10	0	1074
1530A5	2	43200	364	2672	.64	.15	.49	-0.15	.34	0	1075
1530A5	2	43200	401	2231	.39	.04	.35	.06	.41	0	1076
1530A5	2	43200	413	2111	4.01	.64	3.37	-0.08	3.29	0	1077
1530A5	2	43200	422	1735	3.99	-0.20	4.19	-0.12	4.07	0	1078
1530A5	2	43200	443	1824	2.53	.01	3.52	-0.13	3.39	0	1079
1530A5	2	43200	444	509	4.49	-0.05	4.54	-0.34	4.20	0	1080
1530A5	2	43200	521	253	.63	.36	.27	.03	.30	0	1081
1530A5	2	43200	574	223	-0.22	.09	-0.31	.10	-0.21	0	1082
1530A5	2	43200	558	133	4.92	.32	4.60	.27	4.27	0	1083
1530A5	2	43200	568	85	-1.46	-0.51	-1.35	1.36	.01	0	1084
1530A5	2	43200	568	37	.34	-0.37	2.48	-0.41	2.00	0	1085
1530A5	2	43200	540	284	6.46	.11	6.75	-0.26	6.45	0	1086
1530A5	2	43200	405	2471	2.29	-0.19	2.48	-0.23	2.25	0	1087
1530A5	2	43200	347	4242	2.45	-0.12	2.57	.11	2.68	0	1088
1530A5	2	43200	369	4545	2.56	-0.03	2.59	-0.13	2.46	0	1089
1530A5	2	43200	352	4503	2.65	-0.02	2.67	-0.10	2.57	0	1090
1530A5	2	43200	307	2226	2.34	.01	2.37	-0.03	2.34	0	1091
1530A5	2	43200	329	1762	.23	-0.01	.24	0	.24	0	1092
1530A5	2	43200	347	742	2.67	-0.12	2.79	-0.13	2.66	0	1093
1530A5	2	43200	405	5415	3.45	-0.24	3.73	-0.09	3.64	0	1094
1530A5	2	43200	423	424	4.36	-0.01	4.37	-0.05	4.22	0	1095
1530A5	2	43200	462	13	2.56	-0.11	2.67	-0.15	2.54	0	1096
1530A5	2	43200	469	-22	.65	.12	.53	-0.02	.27	0	1097
1530A5	2	43200	493	-22	2.04	-0.19	2.27	-0.16	2.17	0	1098
1530A5	2	43200	553	38	.32	.06	.26	.20	.09	0	1099
1530A5	2	43200	590	33	5.93	-0.22	6.15	-0.17	6.21	0	1100
1530A5	2	43200	582	202	-1.40	.13	-1.53	.36	-1.73	0	1101
1530A5	2	43200	583	250	-0.94	.13	-1.07	-0.20	-1.23	0	1102
1530A5	2	43200	550	254	-1.01	.17	-0.84	.04	-1.03	0	1103
1530A5	2	43200	592	37	2.81	-0.25	3.06	-0.40	-1.24	0	1104
1530A5	2	43200						-0.37	2.73	0	1105

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BURAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153005	2	4200	565	560	2.17	.10	8.07	-0.31	7.76	0	1106
153005	2	4200	379	4226	3.61	.05	3.66	-0.19	3.47	0	1107
153005	2	4200	282	4452	.29	-0.33	.32	-0.12	.20	0	1108
153005	2	4100	321	3533	2.19	-0.23	2.41	-0.08	2.23	0	1109
153005	2	4100	349	3264	2.43	-0.12	2.55	-0.06	2.45	0	1110
153005	2	4100	414	2400	2.70	-0.20	2.90	-0.04	2.62	0	1111
153005	2	4100	447	1795	2.74	-0.20	3.94	-0.15	3.75	0	1112
153005	2	4100	441	655	2.13	-0.05	2.18	0	2.18	0	1113
153005	2	4100	510	169	.39	.08	.31	-0.11	.20	0	1114
153005	2	4100	523	193	.40	.09	.31	-0.10	.21	0	1115
153005	2	4100	525	193	.39	.21	.18	-0.11	.07	0	1116
153005	2	4100	532	592	7.46	-0.76	8.22	.57	8.79	0	1117
153005	2	4100	524	702	2.30	2.20	.10	.72	.82	0	1118
153005	2	4100	517	362	3.23	1.12	2.10	-0.15	1.95	0	1119
153005	2	4100	517	350	-1.70	-2.07	.37	-1.55	-1.22	0	1120
153005	2	4100	511	607	6.80	.03	6.77	-0.26	6.51	0	1121
153005	2	4100	422	1790	.33	-0.03	.36	-0.47	-0.11	0	1122
153005	2	4100	416	1567	.10	-0.04	.14	0	.14	0	1123
153005	2	4100	307	2752	.24	-0.01	.25	.01	.26	0	1124
153005	2	4100	384	3041	.27	-0.07	.34	-0.05	.25	0	1125
153005	2	4100	361	7602	3.14	0	3.14	-0.25	2.89	0	1126
153005	2	4100	383	2670	.34	-0.05	.39	-0.16	.23	0	1127
153005	2	4100	372	2657	.23	-0.08	.22	.02	.22	0	1128
153005	2	4100	372	3687	2.19	-0.03	2.22	-0.04	2.14	0	1129
153005	2	4100	360	3800	2.26	-0.12	2.38	-0.05	2.23	0	1130
153005	2	4100	357	2892	3.18	-0.05	3.23	-0.05	3.18	0	1131
153005	2	4100	412	1173	4.80	-0.14	4.94	-0.12	4.76	0	1132
153005	2	4100	470	495	1.22	.33	.89	-0.09	.80	0	1133
153005	2	4100	452	274	3.47	-0.25	3.72	-0.18	3.54	0	1134
153005	2	4100	475	253	.87	.09	.78	-0.03	.75	0	1135
153005	2	4100	493	265	2.33	-0.02	2.35	.01	2.26	0	1136
153005	2	4100	538	144	3.43	-0.53	3.96	.22	4.18	0	1137
153005	2	4100	538	37	.39	-0.02	.41	-0.10	.31	0	1138
153005	2	4100	589	1	6.60	-0.66	7.26	.07	7.27	0	1139
153005	2	4100	584	153	-1.74	-0.62	-1.12	-0.52	-1.64	0	1140
153005	2	4100	577	97	6.95	.21	5.84	0	5.64	0	1141
153005	2	4100	572	133	-0.06	-0.47	.41	-0.68	-0.27	0	1142
153005	2	4100	468	1748	5.01	.02	4.99	-0.27	4.72	0	1143
153005	2	4100	449	2277	-0.13	-0.01	-0.12	-0.02	-0.14	0	1144
153005	2	4100	429	2864	.13	.01	.12	.01	.12	0	1145
153005	2	4100	370	4423	2.81	-0.06	2.87	-0.12	2.74	0	1146
153005	2	4100	370	4651	2.89	.01	2.88	-0.14	2.74	0	1147
153005	2	4100	272	2533	2.29	-0.01	2.37	-0.03	2.34	0	1148
153005	2	4100	392	1756	.46	.06	.40	.08	.48	0	1149
153005	2	4100	478	529	3.55	-0.09	3.64	-0.07	3.57	0	1150



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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	1	41000	481	610	7.06	.01	7.05	.15	7.20	0	1151
1530A5	2	41000	465	230	-1.28	.35	-1.63	-0.62	-2.25	0	1152
1530A5	3	41000	481	350	3.50	.01	3.49	.25	3.74	0	1153
1530A5	4	41000	489	557	6.71	.09	6.62	-0.38	6.24	0	1154
1530A5	5	41000	386	1912	2.16	-0.07	2.23	-0.02	2.21	0	1155
1530A5	6	41000	357	2523	.44	-0.01	.45	-0.12	.32	0	1156
1530A5	7	41000	357	1930	3.71	.04	3.67	-0.11	3.56	0	1157
1530A5	8	40500	412	720	.44	.26	.18	.02	.20	0	1158
1530A5	9	40500	467	508	3.37	-0.13	3.46	-0.30	3.16	0	1159
1530A5	10	40500	510	520	3.77	-0.08	3.85	-0.04	3.81	0	1160
1530A5	11	40500	487	109	.35	-0.04	.39	.01	.40	0	1161
1530A5	12	40500	462	1206	4.91	.06	4.85	-0.21	4.64	0	1162
1530A5	13	40500	246	8443	-0.51	.11	-0.62	.04	-0.58	0	1163
1530A5	14	40500	366	5177	4.09	-0.17	4.26	-0.36	3.90	0	1164
1530A5	15	40500	385	4274	4.13	-0.12	4.26	-0.15	4.07	0	1165
1530A5	16	40500	420	2320	5.29	.02	5.27	-0.31	4.96	0	1166
1530A5	17	40500	447	878	4.83	.09	4.74	-0.22	4.51	0	1167
1530A5	18	40500	471	632	6.76	-0.15	6.91	-0.37	6.54	0	1168
1530A5	19	40500	382	1247	3.30	-0.02	3.32	.02	3.24	0	1169
1530A5	20	40000	108	3766	.32	-0.03	.35	-0.01	.34	0	1170
1530A5	21	40000	476	1204	4.46	-0.02	4.49	-0.19	4.30	0	1171
1530A5	22	40000	476	37	.47	.10	.49	-0.10	.39	0	1172
1530A5	23	40000	516	460	6.50	.0	6.50	-0.17	6.32	0	1173
1530A5	24	40000	403	3276	4.44	.0	4.44	-0.20	4.24	0	1174
1530A5	25	39500	354	2641	.50	-0.07	.57	-0.08	.49	0	1175
1530A5	26	39500	337	3156	.56	.05	.47	-0.02	.45	0	1176
1530A5	27	39500	325	2438	.56	.04	.52	-0.05	.42	0	1177
1530A5	28	39500	342	2500	.39	-0.04	.43	-0.05	.34	0	1178
1530A5	29	39500	348	4191	.56	.04	.52	-0.02	.50	0	1179
1530A5	30	39500	354	4362	2.63	-0.15	2.78	-0.12	2.66	0	1180
1530A5	31	39500	371	4827	3.15	-0.14	3.89	-0.05	3.84	0	1181
1530A5	32	39500	159	10615	.41	-0.04	.44	-0.10	.38	0	1182
1530A5	33	39500	376	5293	3.72	-0.15	3.87	-0.07	3.80	0	1183
1530A5	34	39000	380	4287	2.59	-0.01	2.60	-0.05	2.55	0	1184
1530A5	35	39000	342	2452	1.77	.20	1.57	.55	2.12	0	1185
1530A5	36	39000	343	3021	.85	.34	.51	-0.16	.35	0	1186
1530A5	37	39000	366	2610	2.52	-0.14	2.66	-0.02	2.65	0	1187
1530A5	38	39000	359	1861	.69	.31	.38	.02	.14	0	1188
1530A5	39	39000	379	2546	1.71	-0.42	2.14	.07	2.21	0	1189
1530A5	40	39000	377	2795	.21	.51	-0.30	-0.30	-0.60	0	1190
1530A5	41	39000	409	1075	2.05	-0.10	2.16	-0.02	2.14	0	1191
1530A5	42	39000	344	1212	2.62	-0.07	2.69	-0.02	2.67	0	1192
1530A5	43	39000	255	156	.56	.06	.50	-0.03	.47	0	1193
1530A5	44	39000	382	581	2.81	.06	2.75	-0.02	2.67	0	1194
1530A5	45	39000	175	6246	-0.21	-0.01	-0.20	-0.02	-0.22	0	1195

A/C SEF.AC. 153085 FLT.AC. 3 CATE 5/ 2/70 FLT.TIME .63RS.

	£.00	7.00	8.50	10.00
ACCUNTS BEFORE FLY	9056	9529	9527	9303
CCCLATS AFTER FLY	9273	9528	9528	9303

OFFEEFACE . 17 . 1 0

CG ACCEL. 17 0 0

FCR: ACCEL. 17 7 0

AFY ACCEL. 17 6 1 0

INDIVIDUAL DATA POINTS EXCEEDING 5.6G THRESHOLD FOR THIS FLIGHT

SEC. NO. 1 CG ACCEL. ... FORE ACCEL. .... AFT ACCL. .

1012	5.21	6.30	5.97
1012	7.17	7.36	6.96
1012	5.35	-0.01	6.02
1014	5.96	6.11	5.72
1061	6.75	6.86	6.41
1067	6.15	5.93	6.21
1101	6.07	6.17	7.76
1106	6.22	7.46	6.78
1117	6.77	6.80	6.51
1121	7.26	6.60	7.33
1139	5.84	6.05	5.84
1141	7.05	7.06	7.20
1151	6.62	6.71	6.24
1154	6.91	6.76	6.54
1168	6.50	6.60	6.32
1173	7.22	6.40	6.57
1202	6.72	6.86	6.66
1205	6.81	6.69	7.61
1277			

NADC-72021 VT

RUPFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	N7 FCRE	N2 DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N3 AFT	MANUEVER CODE	SEQUENCE NUMBER
152045	2	38000	307	2722	3.76	.07	3.69	-0.03	3.42	0	1197
152045	2	38000	353	3173	2.17	.01	2.16	-0.04	3.42	0	1198
152045	2	38000	387	1645	3.74	.12	3.62	-0.14	3.42	0	1199
152045	2	38000	394	1681	.44	0	.44	-0.07	.37	0	1200
152045	2	38000	441	790	2.75	-0.04	2.79	.02	2.22	0	1201
152045	2	38000	506	461	.39	.02	.37	-0.04	.33	0	1202
152045	2	38000	528	520	6.40	-0.02	7.22	-0.65	6.57	0	1203
152045	2	38000	619	706	-1.14	-0.62	-0.51	-0.07	-0.58	0	1204
152045	2	38000	619	706	6.46	.14	6.72	-0.06	6.66	0	1205
152045	2	38000	504	642	.31	-0.05	.36	.04	.40	0	1206
152045	2	38000	346	1771	6.69	-0.12	6.81	.20	7.01	0	1207
152045	2	38000	570	300	2.67	-0.06	2.73	-0.08	2.65	0	1210
152045	4	4050	322	765	5.08	-0.14	5.22	-0.12	5.10	0	1211
152045	4	4050	521	244	-1.07	-1.00	-0.07	.42	.35	0	1212
152045	4	4050	511	243	.27	-2.02	4.10	.45	4.59	0	1213
152045	4	4050	480	1182	.04	-0.48	.52	-0.35	.17	0	1214
152045	4	4050	486	1219	5.65	-0.03	5.68	-0.21	5.47	0	1215
152045	4	4050	486	1276	.34	-0.06	.40	.02	.42	0	1217
152045	4	4050	411	1323	2.69	-0.06	2.75	-0.14	2.61	0	1218
152045	4	4050	417	1202	4.14	.02	4.11	.22	3.88	0	1219
152045	4	4050	444	658	6.95	-0.62	7.57	.54	8.11	0	1220
152045	4	4050	542	401	-1.20	-0.25	-0.95	.05	-0.50	0	1221
152045	4	4050	528	326	5.54	-0.06	5.60	-0.25	5.21	0	1222
152045	4	4050	528	254	2.51	-0.03	2.54	-0.10	2.44	0	1223
152045	4	4050	474	1131	2.31	-0.02	2.33	-0.04	2.29	0	1224
152045	4	4050	369	1117	2.44	-0.16	2.60	-0.15	2.41	0	1225
152045	4	4050	343	1288	2.41	-0.08	2.49	-0.12	2.37	0	1226
152045	4	4050	327	1330	2.63	-0.03	2.66	-0.06	2.60	0	1227
152045	4	4050	318	448	2.63	-0.25	2.88	-0.16	2.72	0	1228
152045	4	4050	380	157	.42	.04	.38	-0.14	.24	0	1229
152045	4	4050	522	25	.42	.15	.27	.12	.40	0	1230
152045	4	4050	533	-10	7.30	-0.25	7.69	.81	8.50	0	1231
152045	4	4050	545	261	-0.28	-0.02	-0.25	.41	.16	0	1232
152045	4	4050	534	25	1.59	-0.62	2.21	1.61	4.02	0	1233
152045	4	4050	535	132	-0.64	.15	-0.79	-0.52	-1.31	0	1234
152045	4	4050	526	181	.34	-0.62	.96	-0.81	.15	0	1235
152045	4	4050	548	73	5.47	-0.04	5.91	-0.10	5.61	0	1236
152045	4	4050	548	154	6.18	.11	6.07	-0.20	5.87	0	1237
152045	4	4050	537	250	-0.54	.05	-0.59	-0.27	-0.26	0	1238
152045	4	4050	531	227	4.69	.10	4.58	-0.09	4.45	0	1239
152045	4	4050	484	557	2.17	-0.05	2.22	-0.02	2.15	0	1240
152045	4	4050	201	1250	2.13	-0.15	2.28	-0.04	2.24	0	1241
152045	4	4050	366	485	2.13	-0.06	2.21	-0.08	2.12	0	1242
152045	4	4050	395	262	-0.21	-0.06	-0.15	.02	-0.12	0	1243
152045	4	4050	481	265	.33	0	.33	-0.14	.19	0	1244
152045	4	4050	461	0	.33	0	.33	-0.14	.19	0	1244

# ACCELEROMETER DATA

A/C SER. NO. 153085 FLT. NO. 4 DATE 5/ 3/70 FLT. TIME 0524RS.

COUNTS BEFORE FLT 6.06 7.06 8.56 10.06  
 9273 9532 9520 9312  
 COUNTS AFTER FLT 9280 9542 9530 9303

DIFFERENCE 7 4 2 0

CG ACCEL. 8 5 0 0  
 FORE ACCEL. 8 3 0 0  
 AFT ACCEL. 8 4 1 1

NADC-72021 VT

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
1220	7.57	6.95	8.11
1231	7.69	7.30	8.50
1236	5.91	5.87	5.81
1237	6.07	6.18	5.87
1246	7.41	6.76	7.43
1248	7.46	7.58	7.01
1273	6.84	6.29	6.43
1275	6.26	6.26	5.94

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CE)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	4	41600	494	279	.39	-0.02	.42	-0.10	.32	0	1245
1530A5	4	41600	505	279	6.76	-0.05	7.41	.02	7.43	0	1246
1530A5	4	41600	505	219	-1.23	-0.10	-1.05	-0.37	-1.42	0	1247
1530A5	4	41000	531	388	7.52	.12	7.46	-0.45	7.01	0	1248
1530A5	4	40100	276	769	.45	.01	.44	.05	.45	0	1249
1530A5	4	40100	343	993	.36	.06	.30	.05	.35	0	1250
1530A5	4	40100	332	241	2.43	.01	2.43	-0.02	2.41	0	1251
1530A5	4	39500	403	102	2.92	.01	2.92	-0.08	2.84	0	1252
1530A5	4	39500	477	73	.54	.14	.40	-0.11	.29	0	1253
1530A5	4	39500	522	85	.10	.05	.01	0	.01	0	1254
1530A5	4	39500	532	37	2.69	-0.28	2.97	-0.19	2.78	0	1255
1530A5	4	39500	540	-11	2.33	-0.22	2.55	0	2.55	0	1256
1530A5	4	39500	602	-202	.46	.27	.19	-0.11	.08	0	1257
1530A5	4	39500	500	-94	.44	-0.06	.25	-0.19	.06	0	1258
1530A5	4	39500	603	-214	.44	.19	.25	-0.19	.06	0	1259
1530A5	4	39500	607	-497	.63	.25	.34	.10	.44	0	1260
1530A5	4	39500	544	109	.41	.06	.35	.10	.45	0	1261
1530A5	4	39500	545	230	-0.05	-0.05	.18	-0.50	-0.32	0	1262
1530A5	4	39500	546	267	3.78	-0.02	3.80	.25	4.09	0	1263
1530A5	4	39500	515	502	5.10	.04	5.11	-0.16	4.95	0	1264
1530A5	4	39500	376	1130	3.85	-0.07	3.92	-0.12	3.79	0	1265
1530A5	4	39500	413	595	.39	-0.02	.41	.02	.43	0	1266
1530A5	4	39500	306	268	2.03	-0.26	2.32	-0.15	2.17	0	1267
1530A5	4	39500	324	144	.47	0	.47	.06	.53	0	1268
1530A5	4	39500	326	266	.47	.05	.42	.01	.42	0	1269
1530A5	4	39500	328	157	.63	.21	.42	.02	.44	0	1270
1530A5	4	39500	371	1221	.01	.01	2.66	-0.13	2.72	0	1271
1530A5	4	39500	472	218	.50	0	.50	.02	.52	0	1272
1530A5	4	39500	508	363	6.29	-0.55	6.84	-0.41	6.43	0	1273
1530A5	4	39500	409	193	-0.99	-1.35	.36	-0.29	.07	0	1274
1530A5	4	39500	406	596	6.26	0	6.26	-0.32	5.94	0	1275
1530A5	4	39500	306	1099	.22	.03	.19	-0.06	.12	0	1276
1530A5	4	39500	202	433	2.11	-0.02	2.13	-0.09	2.04	0	1277
1530A5	4	44000	206	458	2.02	-0.14	2.10	.14	2.24	0	1278
1530A5	4	44000	207	554	-0.93	-0.37	-0.56	.02	-0.54	0	1279
1530A5	4	44000	365	430	2.65	-0.02	2.68	-0.11	2.57	0	1280
1530A5	4	44000	362	878	2.67	.08	2.59	-0.11	2.48	0	1281
1530A5	4	42700	303	4604	2.11	.05	2.06	-0.09	1.97	0	1282
1530A5	4	42700	382	7032	2.39	.07	2.32	-0.08	2.24	0	1283
1530A5	4	42700	486	2656	2.10	.02	2.07	-0.06	1.99	0	1284
1530A5	4	42700	500	2351	2.45	.07	2.38	-0.10	2.28	0	1285
1530A5	4	42700	528	1054	2.52	.11	2.41	-0.08	2.33	0	1286
1530A5	4	42700	621	621	2.17	.01	2.16	-0.10	2.06	0	1287
1530A5	4	42700	442	1110	2.22	-0.03	2.25	-0.09	2.16	0	1288
1530A5	4	42700	246	1878	.20	0	.20	-0.09	.11	0	1289

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (INOTS)	ALTITUDE	NZ FCRE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153005	5	4100	399	2974	3.36	.06	3.30	-0.20	3.10	0	2014
153005	5	4100	422	1568	3.22	.04	3.18	-0.08	3.10	0	2015
153005	5	4100	446	1134	3.56	.06	3.50	-0.11	3.29	0	2016
153005	5	4100	468	762	2.98	.02	2.96	-0.23	2.73	0	2017
153005	5	4100	466	465	2.27	-0.10	2.37	-0.11	2.26	0	2018
153005	5	4100	497	786	5.49	.20	5.29	-0.22	5.07	0	2019
153005	5	4100	461	1379	-1.36	-1.42	.12	.17	.29	0	2020
153005	5	4100	435	2532	1.00	-3.95	4.95	1.06	6.01	0	2021
153005	5	4100	412	3021	2.54	-4.11	5.11	.70	5.81	0	2022
153005	5	4100	397	3245	2.98	-0.94	3.52	1.50	5.02	0	2023
153005	5	4100	361	3198	-0.76	-0.01	-0.75	-0.32	-1.07	0	2024
153005	5	4100	400	3261	-0.47	-0.14	-0.33	-0.21	-0.54	0	2025
153005	5	4100	407	3294	2.10	-0.05	2.15	.03	2.18	0	2026
153005	5	4100	403	3095	3.04	.06	2.98	-0.10	2.88	0	2027
153005	5	4100	340	2774	3.11	.09	3.02	-0.14	2.88	0	2028
153005	5	4000	340	2744	2.96	-0.03	2.99	-0.09	2.90	0	2029
153005	5	4000	352	2497	2.13	-0.04	2.17	-0.14	2.03	0	2030
153005	5	4000	370	2233	3.43	.01	3.42	-0.12	3.30	0	2031
153005	5	4000	356	1781	2.91	-0.04	2.95	-0.22	2.73	0	2032
153005	5	4000	444	1134	3.53	.06	3.47	-0.12	3.35	0	2033
153005	5	4000	529	475	.32	.03	.29	.02	.31	0	2034
153005	5	4000	540	584	6.63	.65	5.98	-0.27	5.71	0	2035
153005	5	4000	545	536	-1.83	-0.28	-0.95	.06	-0.69	0	2036
153005	5	4000	545	596	-0.76	.07	-0.84	-0.35	-1.19	0	2037
153005	5	4000	551	729	-1.10	-0.07	-1.03	.02	-1.00	0	2038
153005	5	4000	563	478	2.24	-0.04	2.28	-0.09	2.19	0	2039
153005	5	4000	565	469	.44	-0.13	.57	-0.45	.12	0	2040
153005	5	4000	544	450	6.20	.12	6.08	-0.32	5.76	0	2041
153005	5	4000	446	2046	-0.15	-0.05	-0.10	-0.11	-0.21	0	2042
153005	5	4000	443	2298	.28	-0.01	.29	-0.01	.28	0	2043
153005	5	4000	431	2680	2.15	-0.06	2.21	-0.12	2.02	0	2044
153005	5	4000	390	3097	2.75	.02	2.73	-0.17	2.56	0	2045
153005	5	4000	361	3291	2.69	.03	2.65	-0.17	2.48	0	2046
153005	5	4000	327	3555	2.22	-0.04	2.26	-0.10	2.16	0	2047
153005	5	4000	312	2659	2.25	.00	2.25	-0.15	2.15	0	2048
153005	5	4000	342	2143	2.46	-0.06	2.52	-0.15	2.37	0	2049
153005	5	4000	374	1461	2.83	.02	2.81	-0.07	2.62	0	2050
153005	5	4000	474	549	2.13	-0.02	2.11	-0.07	2.04	0	2051
153005	5	4000	500	704	5.53	-0.27	5.80	.56	6.16	0	2052
153005	5	4000	495	512	-1.32	-0.34	-0.98	-0.52	-1.50	0	2053
153005	5	4000	500	646	-1.62	.14	-1.76	-0.01	-1.77	0	2054
153005	5	4000	505	572	-0.81	.16	-0.97	-0.02	-1.00	0	2055
153005	5	4000	522	526	2.96	.08	2.88	.25	3.13	0	2056
153005	5	4000	494	226	5.64	.31	5.33	.01	5.24	0	2057
153005	5	4000	376	2340	.14	-0.01	.15	-0.04	.11	0	2058

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	5	4000	351	2791	.19	-0.12	.31	-0.07	.24	0	2059
1530A5	5	4000	374	2663	2.55	-0.02	2.57	-0.02	2.49	0	2060
1530A5	5	4000	359	2212	2.32	.02	2.30	-0.05	2.25	0	2061
1530A5	5	4000	550	645	.07	.07	0	-0.27	-0.27	0	2062
1530A5	5	4000	530	894	6.17	.11	6.06	-0.14	5.92	0	2063
1530A5	5	4000	304	3837	2.93	.02	2.91	-0.21	2.70	0	2064
1530A5	5	4000	377	4031	2.16	-0.02	2.18	-0.12	2.06	0	2065
1530A5	5	4000	337	4541	2.33	0	2.33	-0.02	2.31	0	2066
1530A5	5	4000	358	4205	2.68	-0.05	2.73	-0.12	2.60	0	2067
1530A5	5	4000	377	2772	2.94	.01	2.92	-0.14	2.78	0	2068
1530A5	5	4000	405	3092	2.43	.04	2.39	-0.15	2.24	0	2069
1530A5	5	4000	436	2200	2.52	-0.01	2.53	-0.15	2.38	0	2070
1530A5	5	4000	469	1109	3.14	0	3.18	-0.21	2.97	0	2071
1530A5	5	4000	422	1114	2.19	.04	2.15	-0.11	2.05	0	2072
1530A5	5	4000	304	1236	2.92	.07	3.54	-0.07	3.47	0	2073
1530A5	5	4000	360	2012	2.58	.04	2.16	-0.07	2.09	0	2074
1530A5	5	4000	284	2497	2.46	.02	2.44	-0.07	2.36	0	2075
1530A5	5	4000	372	1930	2.71	.02	2.63	-0.06	2.55	0	2076
1530A5	5	4000	375	1567	2.72	.02	2.70	-0.16	2.54	0	2077
1530A5	5	4000	307	1241	2.22	-0.04	2.26	-0.07	2.19	0	2078
1530A5	5	4000	420	1029	2.30	-0.01	2.31	-0.04	2.27	0	2079
1530A5	5	4000	521	560	3.04	.19	2.89	-0.21	2.68	0	2080
1530A5	5	4000	527	547	.41	.02	.38	-0.21	.17	0	2081
1530A5	5	4000	526	547	1.87	-0.18	2.05	.05	2.12	0	2082
1530A5	5	4000	549	547	.47	.02	.39	-0.15	.24	0	2083
1530A5	5	4000	548	703	3.54	-0.03	3.57	-0.17	3.40	0	2084
1530A5	5	4000	521	548	4.52	.06	4.46	-0.18	4.28	0	2085
1530A5	5	4000	442	1821	4.02	.10	3.92	-0.19	3.73	0	2086
1530A5	5	4000	304	1287	2.12	.05	2.07	-0.03	2.04	0	2087
1530A5	5	4000	392	4874	2.41	.04	2.37	-0.16	2.21	0	2088
1530A5	5	4000	279	3086	.33	.03	.30	-0.06	.24	0	2089
1530A5	5	4000	340	2463	2.09	-0.04	2.13	-0.12	2.01	0	2090
1530A5	5	4000	376	1587	2.10	0	2.10	-0.10	2.00	0	2091
1530A5	5	4000	390	1168	2.06	-0.05	2.11	-0.12	1.99	0	2092
1530A5	5	4000	267	4131	2.14	-0.01	2.19	-0.09	2.10	0	2093
1530A5	5	4000	387	2071	.44	.06	.42	.02	.45	0	2094
1530A5	5	4000	412	1277	3.03	-0.02	3.05	-0.02	2.97	0	2095
1530A5	5	4000	410	510	2.97	-0.01	2.98	-0.15	2.79	0	2096
1530A5	5	4000	414	1037	2.64	0	2.64	-0.02	2.62	0	2097
1530A5	5	4000	385	1685	2.66	-0.11	2.77	-0.25	2.52	0	2098
1530A5	5	4000	353	1296	2.17	-0.10	2.27	-0.14	2.12	0	2100
1530A5	5	4000	372	2650	2.31	-0.04	2.35	-0.09	2.26	0	2101
1530A5	5	4000	372	2650	2.52	-0.01	2.52	-0.15	2.37	0	2102
1530A5	5	4000	386	1949	2.54	.04	2.50	-0.04	2.46	0	2103

# ACCELEROMETER DATA

A/C SER.NO. 163085 FLT.NO. 5 DATE 9/ 6/70 FLT.TIME 1.024RS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 9280 9542 9530 9303

COUNTS AFTER FLT 9285 9544 9530 9303

DIFFERENCE 5 2 0 0

CG ACCEL. 8 2 0 0

FCBE ACCEL. 7 1 0 0

AFT ACCEL. 8 1 0 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

A-157

NADC:72021 VII

SEC. NO. CG ACCEL. FCBE ACCEL. AFT ACCEL.

2021	4.95	1.00	6.01
2022	5.11	1.00	5.81
2025	5.92	6.63	5.71
2041	6.00	6.20	5.76
2052	5.20	5.53	6.36
2063	6.06	6.17	5.92
2114	7.19	6.71	7.68
2117	6.04	6.20	5.81
2124	6.20	6.57	6.54
2130	7.08	7.08	6.79



# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	ENV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ C	NZ DIFF. (AFT/CG)	NZ AFT	MANEUVER CODE	SEQUENCE NUMBER
1520A5	5	38400	376	1811	2.25	.05	2.20	.02	2.22	0	2104
1520A5	5	38400	208	4124	.42	.19	.23	-0.02	.21	0	2105
1520A5	5	38400	202	4493	.41	.10	.31	-0.01	.28	0	2106
1520A5	5	38400	202	4675	.38	.01	.32	-0.04	.28	0	2107
1520A5	5	38400	412	1476	2.34		2.34	-0.14		0	2108
1520A5	5	38400	423	1033	2.24	-0.01	2.25	-0.05	2.16	0	2109
1520A5	5	38400	578	8480	2.24	.04	2.23	-0.11	2.12	0	2110
1520A5	5	38400	366	1801	2.39	.01	2.35	-0.01	2.24	0	2111
1520A5	5	38400	517	767	.42	.16	.26	-0.02	.24	0	2112
1520A5	5	38400	525	739	.40	0	.40	-0.02	.22	0	2113
1520A5	5	38400	563	801	6.71	-0.48	7.19	.49	7.68	0	2114
1520A5	5	38400	544	824	-0.73	.34	-1.07	.12	-0.55	0	2115
1520A5	5	38400	577	753	4.20	-0.12	4.42	.69	5.11	0	2116
1520A5	5	38400	518	585	6.20	.16	6.04	-0.22	5.81	0	2117
1520A5	5	38400	313	5032	2.38	.02	2.36	-0.12	2.24	0	2118
1520A5	5	38400	310	4650	.38	.03	.35	-0.04	.31	0	2119
1520A5	5	38400	434	2146	2.79	.14	3.65	-0.12	3.53	0	2120
1520A5	5	38400	458	2049	3.54	.07	3.38	-0.16	3.29	0	2121
1520A5	5	38400	462	1478	3.54	-0.03	3.57	-0.26	3.29	0	2122
1520A5	5	38400	456	717	2.04	0	2.07	-0.09	1.98	0	2123
1520A5	5	38400	483	863	6.57	.37	6.20	.34	6.54	0	2124
1520A5	5	38400	473	790	-1.07	-0.29	-0.78	-0.68	-1.46	0	2125
1520A5	5	38400	474	521	-1.63	-0.04	-1.79	-0.37	-1.46	0	2126
1520A5	5	38400	483	849	-1.41	-0.15	-1.26	-0.20	-1.46	0	2127
1520A5	5	38400	486	768	-0.23	-0.07	-0.16	-0.35	-0.51	0	2128
1520A5	5	38400	498	755	2.50	-0.11	2.61	-0.12	2.49	0	2129
1520A5	5	38400	513	1023	7.08	0	7.08	-0.25	6.79	0	2130
1520A5	5	38400	451	1562	-0.18	-0.08	-0.02	-0.05	-0.07	0	2131
1520A5	5	38400	320	2684	.34	-0.01	.35	-0.21	.14	0	2132
1520A5	5	38400	317	2213	2.12	-0.04	2.16	-0.05	2.11	0	2133
1520A5	5	38400	311	2108	2.54	.10	2.44	-0.05	2.29	0	2134
1520A5	5	38400	392	1313	2.26	.01	2.25	-0.05	2.16	0	2135
1520A5	5	38400	430	741	2.08	.03	2.05	.05	2.18	0	2136
1520A5	5	38400	441	801	2.18	.01	2.17	-0.12	2.05	0	2137
1520A5	5	38400	460	679	2.17	0	2.17	.01	2.18	0	2138
1520A5	5	38400	460	813	4.33	.03	4.30	-0.21	4.13	0	2139
1520A5	5	38400	413	583	2.39	-0.02	3.41	-0.12	3.29	0	2140
1520A5	5	38400	263	767	2.01	.01	2.00	-0.03	1.95	0	2141
1520A5	5	44740	102	2619	.03	-0.42	.45	.05	.50	0	2142
1520A5	5	44740	203	2615	.28	-0.16	.44	-0.15	.29	0	2143
1520A5	5	43890	373	5367	2.86	.10	2.76	-0.10	2.66	0	2144
1520A5	5	43890	452	2161	2.53	.06	2.45	-0.02	2.27	0	2145
1520A5	5	43890	420	4873	4.01	.04	3.97	-0.28	3.69	0	2146
1520A5	5	43890	309	8416	-0.35	-0.55	.20	.10	.20	0	2147
1520A5	5	43890	207	8560	.22	.12	.09	-0.25	-0.20	0	2148

# NADC-72021 VT

BUPEAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCCE	SEQUENCE NUMBER
153085	E	43890	288	12351	-0.79	-0.08	-0.71	-0.06	-0.77	0	1149
153085	F	43550	382	7372	4.21	.09	4.12	-0.09	4.04	0	1150
153085	E	43650	458	3242	4.06	.08	3.98	-0.11	3.87	0	1151
153085	E	43650	482	2900	-0.15	-0.21	.16	-0.47	-0.71	0	1152
153085	E	43650	475	3271	5.84	.10	5.74	-0.22	5.52	0	1153
153085	E	43650	387	5757	2.25	-0.04	2.29	-0.09	2.20	0	1154
153085	E	43650	360	7521	2.19	-0.04	2.23	-0.10	2.13	0	1155
153085	E	43650	336	8572	2.63	-0.07	2.60	-0.09	2.57	0	1156
153085	E	43250	282	5640	2.37	.02	2.35	.05	2.40	0	1157
153085	E	43250	317	8649	2.20	-0.21	2.51	-0.07	2.44	0	1158
153085	E	43250	345	8112	2.23	-0.13	2.36	-0.09	2.27	0	1159
153085	E	43250	400	7050	2.81	-0.29	3.10	-0.15	2.95	0	1160
153085	E	43250	447	5517	2.21	-0.01	2.22	-0.01	2.21	0	1161
153085	E	43250	512	4475	4.91	-0.02	4.93	-0.09	4.84	0	1162
153085	E	43250	514	4178	6.11	.14	5.97	-0.19	5.78	0	1163
153085	E	43250	444	6295	-1.64	-1.66	.02	.22	.24	0	1164
153085	E	43250	400	8311	.23	-5.15	5.38	.84	6.22	0	1165
153085	E	43250	371	6448	-0.01	-4.85	4.84	.87	5.71	0	1166
153085	E	43250	320	10777	2.32	.02	2.30	2.51	4.81	0	1167
153085	E	43250	274	12165	.37	.14	.23	-0.27	-0.04	0	1168
153085	E	43250	257	13225	-0.51	-0.19	-0.32	-0.26	-0.58	0	1169
153085	E	43250	331	10783	3.14	-0.02	3.16	-0.11	3.05	0	1170
153085	E	43250	322	8835	.05	-0.14	.19	-0.14	.05	0	1171
153085	E	43250	330	5832	3.05	-0.05	3.14	-0.02	3.12	0	1172
153085	E	43250	323	5116	2.16	.08	2.08	-0.07	2.01	0	1173
153085	E	43250	346	6085	3.15	.05	3.10	-0.10	3.00	0	1174
153085	E	42800	327	6065	3.06	.05	3.16	-0.07	3.09	0	1175
153085	E	42800	264	6547	.30	-0.13	.43	-0.03	.40	0	1176
153085	E	42800	264	7653	2.21	-0.11	2.32	.11	2.43	0	1177
153085	E	42800	282	7571	2.29	-0.12	2.40	-0.03	2.27	0	1178
153085	E	42800	328	6682	2.99	-0.10	2.99	-0.11	2.88	0	1179
153085	E	42800	374	5565	3.42	-0.22	3.64	-0.12	3.52	0	1180
153085	E	42800	430	4760	4.17	.05	4.12	-0.12	4.00	0	1181
153085	E	42800	473	3829	4.07	-0.07	4.25	-0.11	4.14	0	1182
153085	E	42800	469	3281	4.17	-0.07	4.24	-0.40	3.84	0	1183
153085	E	42800	505	2591	2.28	.06	2.22	-0.16	2.06	0	1184
153085	E	42800	509	2504	2.60	.04	2.56	0	2.56	0	1185
153085	E	42800	526	2821	.40	-0.02	.42	-0.12	.30	0	1186
153085	E	42800	491	7587	5.31	.07	5.31	-0.16	5.15	0	1187
153085	E	42800	263	8750	-0.45	-0.35	-0.10	.05	-0.05	0	1188
153085	E	42500	420	3400	2.72	.05	2.68	-0.17	2.51	0	1189
153085	E	42500	447	2688	.02	-0.24	.26	-0.22	.04	0	1190
153085	E	42500	449	3286	5.81	.04	5.77	-0.18	5.59	0	1191
153085	E	42500	363	4564	2.18	-0.03	2.20	0	2.20	0	1192
153085	E	42500	320	6655	2.28	-0.05	2.37	-0.12	2.25	0	1193

## NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	COV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCGE	SEQUENCE NUMBER
153045	E	42500	282	7467	2.21	-0.03	2.24	-0.03	2.21	0	1194
153045	F	42150	322	7779	2.00	-0.12	2.12	-0.09	2.03	0	1195
153045	F	42150	361	6297	2.66	-0.02	2.68	.02	2.70	0	1196
153045	E	42150	390	5512	2.84	-0.17	2.97	-0.02	2.89	0	1197
153045	F	42150	416	3761	3.65	.01	3.64	-0.19	3.45	0	1158
153045	E	42150	444	2952	.32	.01	.31	.01	.20	0	1159
153045	F	42150	503	2968	3.59	-0.21	3.80	1.07	4.27	0	1159
153045	E	42150	400	2651	-2.08	-0.72	-1.35	-0.01	-1.32	0	1201
153045	F	42150	502	3064	-1.45	.35	-2.20	-0.65	-2.25	0	1202
153045	E	42150	510	2686	2.16	-0.04	2.98	-0.16	2.82	0	1203
153045	F	42150	514	3004	.06	-0.04	.10	-0.15	-0.05	0	1204
153045	E	42150	528	3179	6.83	-0.15	6.98	-0.15	6.82	0	1205
153045	F	42150	310	2945	2.13	-0.11	2.24	-0.12	2.11	0	1206
153045	E	42150	303	2356	2.06	-0.04	2.10	-0.10	2.00	0	1207
153045	F	41750	281	8819	2.09	-0.10	2.19	-0.17	2.02	0	1208
153045	E	41750	290	8586	2.11	-0.02	2.19	-0.05	2.14	0	1209
153045	F	41750	323	7627	2.11	-0.04	2.15	-0.10	2.05	0	1210
153045	E	41750	369	6547	2.06	-0.06	2.12	-0.02	2.09	0	1211
153045	F	41750	483	5824	2.15	-0.04	2.19	-0.02	2.11	0	1212
153045	E	41750	412	4704	.12	.12	.0	-0.12	-0.12	0	1213
153045	E	41750	435	3746	4.11	-0.15	4.26	-0.20	4.06	0	1214
153045	F	41750	422	3132	2.08	-0.11	2.19	-0.01	2.12	0	1215
153045	E	41750	444	3027	2.01	-0.03	2.04	0	2.04	0	1216
153045	F	41750	402	3192	6.52	-0.30	6.82	.60	7.42	0	1217
153045	E	41750	487	3018	-1.43	-0.20	-1.23	-0.99	-2.22	0	1218
153045	F	41750	405	3079	-1.47	.02	-1.50	-0.40	-1.50	0	1219
153045	E	41750	467	3179	-1.40	-0.16	-1.24	-0.16	-1.40	0	1220
153045	F	41750	512	2166	6.26	.10	6.16	.18	6.34	0	1221
153045	E	41750	373	4185	.56	-0.09	.65	-0.20	.25	0	1222
153045	F	41750	282	7534	2.25	.01	2.24	-0.05	2.19	0	1223
153045	E	41750	279	7849	2.07	-0.04	2.11	-0.06	2.05	0	1224
153045	F	41750	263	8185	.25	-0.05	.30	-0.07	.22	0	1225
153045	E	41750	236	9416	.37	.05	.32	-0.06	.26	0	1226
153045	F	41750	267	8644	2.26	-0.04	2.32	-0.06	2.26	0	1227
153045	E	41750	360	7388	3.09	-0.04	3.13	-0.14	2.99	0	1228
153045	F	41750	414	5861	2.44	-0.24	2.68	-0.25	2.43	0	1229
153045	E	41750	512	3708	5.14	-0.03	5.17	-0.21	4.86	0	1230
153045	F	41750	517	2005	.22	-0.04	.26	-0.10	.16	0	1231
153045	E	41750	532	3189	7.23	-0.27	7.99	1.12	5.12	0	1232
153045	F	41750	525	3079	-1.72	-0.76	-0.45	.26	-0.19	0	1233
153045	E	41750	521	3184	2.54	-0.09	2.63	2.35	4.90	0	1234
153045	F	41750	514	3263	2.07	-0.31	2.38	2.18	4.56	0	1235
153045	E	41750	512	3263	1.72	-1.02	2.75	1.12	3.87	0	1236
153045	F	41750	514	3163	-1.22	.30	-1.52	-0.57	-2.09	0	1237
153045	E	41750	522	2279	.87	.06	.01	-0.07	-0.06	0	1238

## NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS HEIGHT	ECV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	MANUEVER CODE	SEQUENCE NUMBER
1530A5	6	41700	525	3242	5.26	.01	5.25	.36	0	1240
1530A5	6	41700	501	3416	5.83	.11	5.72	-0.23	0	1241
1530A5	6	41700	347	6272	.36	-0.08	.44	-0.18	0	1242
1530A5	6	41700	318	8093	2.34	-0.03	2.37	-0.12	0	1243
1530A5	6	41700	306	8539	2.65	-0.02	2.67	-0.13	0	1244
1530A5	6	41700	280	8493	2.06	0	2.06	-0.07	0	1245
1530A5	6	40500	202	8294	2.22	-0.03	2.25	-0.05	0	1246
1530A5	6	40500	205	8385	2.38	-0.06	2.44	-0.02	0	1247
1530A5	6	40500	308	8554	1.97	-0.10	2.07	-0.07	0	1248
1530A5	6	40500	300	7081	2.71	-0.08	2.79	-0.06	0	1249
1530A5	6	40500	420	6145	2.63	-0.24	2.87	-0.17	0	1250
1530A5	6	40500	467	5147	3.79	.07	3.72	-0.15	0	1251
1530A5	6	40500	488	3739	4.75	-0.12	4.87	-0.21	0	1252
1530A5	6	40500	469	2079	2.24	-0.02	2.26	-0.06	0	1253
1530A5	6	40500	457	2022	-0.20	.01	-0.21	-0.22	0	1254
1530A5	6	40500	455	2160	5.93	-0.62	6.55	.67	0	1255
1530A5	6	40500	485	3009	-1.58	-0.45	-1.13	-0.54	0	1256
1530A5	6	40500	499	3088	-1.10	-0.84	-0.26	-0.64	0	1257
1530A5	6	40500	501	3035	2.81	-0.04	2.85	.46	0	1258
1530A5	6	40500	493	2417	6.29	.14	6.15	-0.11	0	1259
1530A5	6	40500	360	4542	2.16	0	2.16	-0.06	0	1260
1530A5	6	40500	340	5582	.24	.01	.23	-0.05	0	1261
1530A5	6	40500	345	5913	2.03	-0.03	2.06	.02	0	1262
1530A5	6	40500	346	6041	2.63	.10	2.53	-0.03	0	1263
1530A5	6	40500	366	6047	2.71	-0.15	2.86	-0.13	0	1264
1530A5	6	40500	366	5998	2.23	-0.14	2.37	-0.10	0	1265
1530A5	6	40500	384	5998	2.10	-0.06	2.16	-0.01	0	1266
1530A5	6	40500	393	6037	2.40	-0.05	2.45	-0.13	0	1267
1530A5	6	40500	388	6287	2.20	-0.05	2.25	-0.15	0	1268
1530A5	6	40500	382	6435	.49	.07	.42	-0.12	0	1269
1530A5	6	40500	365	6515	3.20	-0.01	3.21	-0.11	0	1270
1530A5	6	40500	406	6513	3.16	-0.14	3.30	-0.09	0	1271
1530A5	6	40500	432	6039	3.15	0	3.15	-0.10	0	1272
1530A5	6	40500	436	5706	3.44	.01	3.43	-0.12	0	1273
1530A5	6	40500	452	2661	2.07	.01	2.06	-0.02	0	1274
1530A5	6	40500	467	3188	2.27	-0.08	2.35	-0.13	0	1275
1530A5	6	40500	471	3062	2.14	-0.03	2.17	-0.05	0	1276
1530A5	6	40500	460	2570	.45	.11	.34	-0.04	0	1277
1530A5	6	40500	458	2079	6.64	-0.36	7.00	.16	0	1278
1530A5	6	40500	487	3079	-0.54	.07	-0.61	-0.47	0	1279
1530A5	6	40500	452	3166	-1.40	-0.07	-1.33	-0.12	0	1280
1530A5	6	40500	404	3309	-1.52	-0.21	-1.31	-0.34	0	1281
1530A5	6	40500	505	3211	-1.43	-0.29	-1.14	-0.55	0	1282
1530A5	6	40500	515	3075	7.50	-0.12	2.62	-0.15	0	1283
1530A5	6	40500	512	3206	6.4	.20	6.29	-0.04	0	1284

# NADC-72021 VT

SURFAU AUPPER	FLIGHT ALMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	F	40500	343	6406	2.11	-0.06	2.17	-0.02	2.89	0	1285
1530A5	F	40500	207	7580	2.15	-0.06	2.21	-0.15	2.86	0	1286
1530A5	F	79550	272	9450	-0.31	.07	-0.34	-0.05	-0.42	0	1287
1530A5	F	79550	318	8155	2.29	-0.01	2.30	-0.06	2.24	0	1288
1530A5	F	79550	420	5141	3.04	-0.09	3.17	-0.12	3.05	0	1289
1530A5	F	79550	420	4464	4.17	-0.16	4.29	-0.08	4.21	0	1290
1530A5	F	79550	511	3435	6.09	.20	5.89	-0.16	5.72	0	1291
1530A5	F	79550	409	2959	.47	.07	.44	-0.27	.17	0	1292
1530A5	F	79550	444	4554	4.30	.11	4.19	-0.20	3.99	0	1293
1530A5	F	79700	255	11414	-1.10	-0.03	-1.07	.0	-1.07	0	1294
1530A5	F	79700	312	6292	2.87	-0.01	2.88	.02	2.90	0	1295
1530A5	F	79700	402	4876	5.08	-0.16	5.24	-0.42	4.81	0	1296
1530A5	F	79700	459	3769	5.57	-0.07	5.64	-0.14	5.50	0	1297
1530A5	F	79700	448	3648	5.68	.12	5.55	-0.25	5.20	0	1298
1530A5	F	79700	385	7442	2.65	-0.01	2.66	-0.05	2.61	0	1299
1530A5	F	79700	314	7206	2.84	-0.04	2.84	-0.12	2.76	0	1300
1530A5	F	79700	328	6510	2.77	-0.15	2.92	-0.13	2.79	0	1301
1530A5	F	79400	325	7026	3.17	-0.02	3.19	-0.11	3.08	0	1302
1530A5	F	79400	285	8167	.60	.21	.39	-0.04	.35	0	1303
1530A5	F	79400	305	9191	2.78	-0.16	2.94	-0.09	2.85	0	1304
1530A5	F	79400	727	8836	2.58	-0.26	2.84	-0.02	2.82	0	1305
1530A5	F	79400	781	7564	3.01	.01	3.00	-0.15	2.85	0	1306
1530A5	F	79400	486	5226	4.81	.05	4.76	-0.20	4.56	0	1307
1530A5	F	79400	557	2567	2.19	0	2.19	-0.07	2.12	0	1308
1530A5	F	79400	510	3119	3.24	-0.04	3.28	-0.05	3.21	0	1309
1530A5	F	79400	440	4307	2.81	.01	2.80	-0.14	2.75	0	1310
1530A5	F	79400	364	6298	2.90	.06	3.68	-0.12	3.54	0	1311
1530A5	F	79400	352	6298	2.87	.01	2.89	-0.15	2.71	0	1312
1530A5	F	79400	359	7235	2.84	-0.04	2.88	-0.11	2.77	0	1313
1530A5	F	79400	342	5855	.27	-0.01	.28	-0.08	.21	0	1314
1530A5	F	79400	355	5850	.35	.03	.32	-0.04	.28	0	1315
1530A5	F	79400	410	4992	2.82	.02	2.79	-0.12	2.67	0	1316
1530A5	F	79400	428	3815	2.49	.01	2.48	-0.05	2.42	0	1317
1530A5	F	79400	380	7740	2.76	.02	2.73	-0.05	2.64	0	1318
1530A5	F	79450	378	7210	2.55	-0.04	2.59	-0.12	2.46	0	1319
1530A5	F	79450	378	6287	2.51	-0.18	2.69	-0.11	2.58	0	1320
1530A5	F	79450	306	5686	2.40	-0.14	2.54	-0.15	2.39	0	1321
1530A5	F	79450	425	5000	2.28	-0.15	2.43	-0.16	2.27	0	1322
1530A5	F	79450	460	3526	2.29	-0.01	2.30	.07	2.27	0	1323
1530A5	F	79450	478	7245	2.61	0	2.61	.06	2.57	0	1324
1530A5	F	79450	465	7496	3.80	-0.04	3.84	.04	3.82	0	1325
1530A5	F	79450	445	4199	3.94	-0.12	4.06	.02	4.02	0	1326
1530A5	F	79450	400	5545	2.52	-0.16	3.70	-0.25	3.45	0	1327
1530A5	F	79450	375	6562	2.45	-0.09	3.54	0	3.54	0	1328

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	6	38450	296	5006	2.48	-0.22	2.70	-0.06	2.64	0	1330
153045	6	38450	148	1371	.32	.01	.31	-0.09	.22	0	1331
153045	6	38450	149	13049	.31	-0.03	.34	-0.11	.23	0	1332
153045	6	38450	315	5118	3.20	-0.03	3.23	-0.17	3.06	0	1333
153045	6	38450	359	7472	3.11	-0.03	3.14	.16	3.30	0	1334
153045	6	38450	424	3241	3.27	-0.13	3.40	-0.05	3.25	0	1335
153045	6	38450	417	3308	3.05	-0.19	3.24	-0.16	3.08	0	1336
153045	6	38450	384	3402	3.08	-0.09	3.17	-0.01	3.18	0	1337
153045	6	38450	355	4608	2.50	.01	2.49	-0.08	2.41	0	1338
153045	6	38450	302	7864	2.53	-0.01	2.54	-0.03	2.51	0	1339
153045	6	38450	332	5146	2.88	.05	2.83	.02	2.91	0	1340
153045	6	38450	365	4767	2.54	-0.05	2.59	-0.09	2.50	0	1341
153045	6	38450	377	4261	2.51	-0.04	2.55	.02	2.57	0	1342
153045	6	38450	383	4165	2.28	-0.10	2.38	-0.06	2.32	0	1343
153045	6	38450	380	3741	2.33	-0.06	2.39	-0.11	2.28	0	1344
153045	6	38450	407	3263	2.33	-0.16	2.49	-0.11	2.38	0	1345
153045	6	38450	411	3703	2.23	-0.28	2.51	-0.20	2.31	0	1346
153045	6	38450	407	3441	2.34	-0.05	2.39	-0.07	2.32	0	1347
153045	6	38450	193	3841	2.22	-0.10	2.32	-0.12	2.20	0	1348
153045	6	38450	373	4554	2.21	-0.17	2.38	-0.06	2.32	0	1349
153045	6	38450	350	4253	2.07	-0.29	2.36	.01	2.37	0	1350
153045	6	37550	104	6899	.48	.09	.39	-0.17	.22	0	1351
153045	6	37550	319	6667	.63	.28	.35	-0.12	.23	0	1352
153045	6	37550	353	5856	2.00	-0.23	2.23	-0.06	2.17	0	1353
153045	6	37550	365	5517	1.86	-0.24	2.10	.05	2.15	0	1354
153045	6	37550	387	5044	2.13	-0.18	2.31	.11	2.42	0	1355
153045	6	37550	391	4661	2.46	-0.01	2.47	-0.04	2.43	0	1356
153045	6	37550	411	3607	2.64	-0.23	2.87	-0.05	2.82	0	1357
153045	6	37550	420	3416	2.71	-0.10	2.81	-0.04	2.77	0	1358
153045	6	37550	416	3369	2.77	-0.09	2.86	.05	2.81	0	1359
153045	6	37550	416	3279	2.44	-0.28	2.76	-0.22	2.54	0	1360
153045	6	37550	412	2637	2.22	-0.38	2.60	-0.26	2.34	0	1361
153045	6	37550	409	4002	2.39	-0.09	2.48	-0.10	2.38	0	1362
153045	6	37550	377	5038	2.09	-0.06	2.15	-0.06	2.09	0	1363
153045	6	37550	366	5432	2.12	-0.04	2.16	-0.01	2.15	0	1364
153045	6	37550	267	5038	.37	.04	.33	-0.03	.30	0	1365
153045	6	37550	221	10270	.35	.03	.32	-0.02	.30	0	1366
153045	6	37550	191	11820	.25	.0	.25	-0.06	.19	0	1367
153045	6	37550	325	9483	2.12	.0	2.12	.02	2.14	0	1368
153045	6	37550	355	8233	2.54	-0.01	2.55	-0.15	2.40	0	1369
153045	6	37550	364	2263	2.25	.0	2.25	-0.06	2.17	0	1370
153045	6	37550	382	7865	2.11	-0.02	2.13	-0.09	2.04	0	1371
153045	6	37650	472	5395	2.15	-0.08	2.23	-0.02	2.13	0	1372
153045	6	37650	473	4369	2.81	-0.04	2.85	-0.20	2.65	0	1373
153045	6	37650	506	7541	4.01	.06	3.95	-0.02	3.87	0	1374

# ACCELEROMETER DATA

A/C SER. NO. 153025 FLT. NO. 6 DATE 5/ 8/70 FLT. TIME .60HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 9889 9544 9530 9303

COUNTS AFTER FLT 9500 9549 9531 9303

DIFFERENCE 11 5 1 0

CG ACCEL. 12 4 0 0

FCRE ACCEL. 14 2 0 0

AFT ACCEL. 5 5 1 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FCRE ACCEL. AFT ACCEL.

1153	5.74	5.84	5.52
1163	5.97	6.11	5.78
1165	5.38	.23	6.22
1191	5.77	5.81	5.59
1205	6.98	6.83	6.83
1217	6.82	6.52	7.42
1221	6.16	6.26	6.24
1232	7.69	7.23	5.12
1241	5.72	5.83	5.49
1255	6.55	5.93	7.22
1259	6.15	6.29	6.04
1278	7.00	6.64	7.18
1284	6.29	6.49	6.25
1291	5.89	6.09	5.73
1403	6.01	4.94	5.73
1406	5.82	5.92	5.72

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFY/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153005	6	37650	512	3825	2.26	-0.14	2.40	.11	2.51	0	1375
153005	6	37650	520	3802	2.38	-0.10	2.48	-0.04	2.44	0	1376
153005	6	37650	526	3855	2.72	.03	2.69	-1.02	1.67	0	1377
153005	6	37650	532	4518	5.49	-0.02	5.51	-0.02	5.48	0	1378
153005	6	37650	535	5413	3.75	-0.04	3.79	-0.02	3.71	0	1379
153005	6	37650	547	5380	3.96	-0.06	4.02	-0.02	3.94	0	1380
153005	6	37650	547	4669	2.88	.01	2.88	.10	2.80	0	1381
153005	6	37650	461	4878	2.47	-0.09	2.46	.02	2.56	0	1382
153005	6	37650	458	4850	2.16	-0.04	2.25	.14	2.27	0	1383
153005	6	37650	456	4899	2.05	-0.13	2.09	.04	2.23	0	1384
153005	6	37650	338	3774	2.02	.04	2.15	-0.05	2.14	0	1385
153005	6	37650	302	3709	2.64	.04	2.44	-0.05	2.35	0	1386
153005	6	37100	110	5562	-0.32	-0.08	-0.24	-0.05	-0.29	0	1387
153005	6	37100	332	5267	2.88	.02	2.80	-0.15	3.65	0	1388
153005	6	37100	346	5213	2.49	.02	2.47	-0.12	2.35	0	1389
153005	6	35600	277	5589	2.15	-0.10	2.25	-0.06	2.13	0	1390
153005	6	35600	289	5785	2.09	-0.09	2.18	-0.08	2.12	0	1391
153005	6	35600	298	5582	2.21	-0.06	2.27	-0.08	2.19	0	1392
153005	6	35600	306	5274	2.18	-0.07	2.25	-0.12	2.07	0	1393
153005	6	35600	331	4806	2.42	-0.01	2.43	-0.15	2.28	0	1394
153005	6	35600	353	4313	2.62	-0.04	2.66	-0.12	2.54	0	1395
153005	6	35600	370	3590	2.44	-0.03	2.47	-0.09	2.38	0	1396
153005	6	35600	386	3729	2.73	.00	2.33	-0.14	2.16	0	1397
153005	6	35600	457	3286	.47	.02	.45	-0.21	.24	0	1398
153005	6	35600	457	3284	.33	.02	.31	-0.06	.25	0	1399
153005	6	35600	454	3192	.37	-0.05	.42	-0.16	.26	0	1400
153005	6	35600	467	3213	.30	.00	.30	-0.05	.23	0	1401
153005	6	35600	503	3200	4.94	-1.07	6.01	-0.22	5.73	0	1402
153005	6	35600	502	3226	1.84	1.89	-0.05	.67	.62	0	1403
153005	6	35600	501	3223	5.56	1.66	3.70	-0.63	3.17	0	1404
153005	6	35600	497	3522	5.92	.10	5.82	-0.10	5.72	0	1405
153005	6	35600	394	3542	2.68	-0.08	2.76	-0.16	2.60	0	1406
153005	6	35600	337	4395	2.68	-0.02	2.68	-0.07	2.61	0	1407
153005	6	35600	308	4469	2.05	-0.07	2.12	-0.11	2.01	0	1408
153005	7	44940	210	3083	.01	-0.27	.28	-0.13	.15	0	1409
153005	7	44100	427	4254	2.03	.06	2.22	-0.09	2.13	0	1410
153005	7	44100	464	3219	2.03	-0.06	2.09	.00	2.09	0	1411
153005	7	44100	466	5216	3.64	.10	3.54	-0.10	3.44	0	1412
153005	7	44100	333	5549	-0.04	-0.25	.21	.06	.27	0	1413
153005	7	43850	250	13778	-0.48	-0.14	-0.34	-0.20	-0.54	0	1414
153005	7	43850	407	7546	4.18	.06	4.12	-0.09	4.03	0	1415
153005	7	43850	482	3401	3.96	.07	3.89	-0.12	3.76	0	1416
153005	7	43850	502	3127	.28	-0.14	.42	-0.13	-0.10	0	1417
153005	7	43850	504	3356	5.88	.21	5.67	.24	5.51	0	1418
153005	7	43850									1419



# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	7	43A50	388	7398	2.12	-0.09	2.21	-0.15	2.06	0	1420
1530A5	7	43A50	301	10715	2.16	0	2.16	-0.10	2.06	0	1421
1530A5	7	43A00	319	10660	2.62	-0.04	2.66	-0.10	2.66	0	1422
1530A5	7	43A00	335	6673	2.73	-0.06	2.79	-0.12	2.67	0	1423
1530A5	7	43A00	355	6117	2.39	-0.03	2.42	-0.09	2.32	0	1424
1530A5	7	43A00	427	6907	2.71	.03	2.68	-0.10	2.58	0	1425
1530A5	7	43A00	457	5508	3.06	.07	2.99	-0.02	2.96	0	1426
1530A5	7	43A00	478	4410	3.11	-0.17	3.28	0	3.28	0	1427
1530A5	7	43A00	526	3543	4.09	.05	4.04	-0.05	3.99	0	1428
1530A5	7	43A00	547	4655	6.28	.23	6.05	-0.27	5.78	0	1429
1530A5	7	43A00	458	7670	-1.54	-1.54	-0.07	.28	.21	0	1430
1530A5	7	43A00	416	10015	-0.36	-5.58	5.22	.75	5.97	0	1431
1530A5	7	43A00	260	14092	-0.48	-7.89	3.41	-1.00	2.41	0	1432
1530A5	7	43A00	240	16068	-0.20	.01	-0.21	-0.23	-0.44	0	1433
1530A5	7	43A00	203	15228	2.27	-0.01	2.28	-0.05	2.23	0	1434
1530A5	7	43A00	372	11210	3.42	-0.06	3.48	-0.02	3.22	0	1435
1530A5	7	43A00	385	8216	3.93	.12	3.81	-0.08	3.73	0	1436
1530A5	7	43A00	376	5353	2.81	.02	2.79	-0.14	2.65	0	1437
1530A5	7	43A00	341	5400	2.66	-0.07	2.69	-0.12	2.57	0	1438
1530A5	7	43A00	336	5050	2.56	.02	2.54	-0.02	2.46	0	1439
1530A5	7	43A00	350	4657	2.26	.03	2.83	-0.12	2.70	0	1440
1530A5	7	43A00	364	2842	2.60	-0.08	2.68	-0.08	2.60	0	1441
1530A5	7	43A00	381	2667	2.69	-0.07	2.76	-0.10	2.66	0	1442
1530A5	7	43A00	386	2250	3.08	-0.01	3.09	-0.14	2.95	0	1443
1530A5	7	43A00	450	2709	4.93	.21	4.72	-0.16	4.56	0	1444
1530A5	7	43A00	258	5238	-0.43	-0.29	-0.16	.05	-0.11	0	1445
1530A5	7	42A00	280	8820	.43	.02	.40	-0.41	-0.01	0	1446
1530A5	7	42A00	367	6625	2.58	-0.02	2.71	-0.12	2.58	0	1447
1530A5	7	42A00	474	3654	4.03	.07	4.76	-0.12	4.58	0	1448
1530A5	7	42A00	478	3071	-0.14	.16	-0.30	-0.17	-0.47	0	1449
1530A5	7	42A00	467	3601	6.01	.33	5.68	-0.08	5.60	0	1450
1530A5	7	42A00	362	5618	.42	-0.06	.48	-0.12	.36	0	1451
1530A5	7	42A00	322	8525	2.76	.03	2.73	-0.11	2.62	0	1452
1530A5	7	42A00	304	6086	2.30	-0.01	2.31	-0.14	2.17	0	1453
1530A5	7	42A00	278	9213	2.11	-0.07	2.18	-0.10	2.02	0	1454
1530A5	7	42A00	292	8866	2.21	-0.05	2.26	-0.16	2.10	0	1455
1530A5	7	42A00	311	8256	2.79	-0.03	2.82	.05	2.51	0	1456
1530A5	7	42A00	314	8773	2.25	-0.06	2.31	-0.02	2.27	0	1457
1530A5	7	42A00	379	7519	2.21	-0.08	2.39	-0.05	2.30	0	1458
1530A5	7	42A00	413	6925	3.54	-0.09	3.63	-0.11	3.52	0	1459
1530A5	7	42A00	481	5338	4.37	.10	4.27	-0.07	4.20	0	1460
1530A5	7	42A00	500	3594	5.05	.14	4.92	-0.22	4.70	0	1461
1530A5	7	42A00	507	2135	2.49	-0.01	2.50	-0.02	2.42	0	1462
1530A5	7	42A00	528	2098	2.53	-0.02	4.36	1.04	5.40	0	1463
1530A5	7	42A00	528	3088	-1.80	-0.31	-1.49	-1.07	-2.56	0	1464

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCG	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153085	7	42500	536	3097	1.53	-1.10	2.63	-0.57	2.06	0	1465
153085	7	42500	528	3140	.43	.12	.31	-0.46	0.15	0	1466
153085	7	42500	539	3137	.43	-0.11	.54	-0.50	.04	0	1467
153085	7	42500	521	3437	6.05	.08	5.97	-0.24	5.72	0	1468
153085	7	42500	358	7282	2.43	-0.04	2.51	-0.15	2.36	0	1469
153085	7	42500	341	2063	2.62	-0.03	2.65	-0.12	2.52	0	1470
153085	7	42500	302	5227	2.19	-0.01	2.20	-0.13	2.07	0	1471
153085	7	42050	261	6648	2.01	-0.09	2.10	.03	2.13	0	1472
153085	7	42050	287	6292	.53	.10	.43	-0.08	.35	0	1473
153085	7	42050	320	6468	.32	.12	.20	-0.11	.09	0	1474
153085	7	42050	343	6085	.45	.14	.31	-0.14	.17	0	1475
153085	7	42050	366	5238	2.07	-0.11	2.18	-0.12	2.06	0	1476
153085	7	42050	408	4662	.78	.25	.53	-0.20	.32	0	1477
153085	7	42050	425	4678	2.69	-0.22	2.91	-0.24	2.67	0	1478
153085	7	42050	446	3648	4.84	.03	4.81	-0.21	4.60	0	1479
153085	7	42050	445	3297	3.46	.08	3.38	-0.04	3.34	0	1480
153085	7	42050	478	3127	4.09	-0.37	5.76	.52	5.94	0	1481
153085	7	42050	473	3132	-1.01	-0.29	-0.72	-0.52	-1.30	0	1482
153085	7	42050	485	3253	-1.11	.08	-1.19	.02	-1.17	0	1483
153085	7	42050	498	3179	-0.45	.09	-0.54	-0.86	-1.40	0	1484
153085	7	42050	508	3158	2.49	-0.20	2.69	-0.42	2.27	0	1485
153085	7	42050	505	3062	.54	.05	.49	-0.63	-0.14	0	1486
153085	7	42050	508	3277	5.63	.13	5.50	-0.07	5.43	0	1487
153085	7	42050	308	7271	.15	-0.04	.19	-0.12	.07	0	1488
153085	7	42050	272	6355	2.16	-0.03	2.19	-0.04	2.15	0	1489
153085	7	42050	277	6203	2.24	-0.03	2.27	-0.08	2.19	0	1490
153085	7	42050	282	6385	2.02	-0.06	2.11	.03	2.14	0	1491
153085	7	41550	240	5387	.39	.11	.20	-0.06	.22	0	1492
153085	7	41550	278	6292	2.06	-0.18	2.24	-0.07	2.17	0	1493
153085	7	41550	354	7354	3.20	.03	3.27	-0.15	3.12	0	1494
153085	7	41550	383	6373	2.80	-0.10	2.90	-0.03	2.87	0	1495
153085	7	41550	401	5611	2.84	-0.08	2.92	-0.02	2.84	0	1496
153085	7	41550	417	3581	3.38	-0.03	3.41	-0.11	3.30	0	1497
153085	7	41550	456	3125	2.18	.07	2.11	-0.13	1.98	0	1498
153085	7	41550	507	3174	.43	.05	.38	-0.22	.16	0	1499
153085	7	41550	518	3223	6.43	-0.61	7.03	.96	7.59	0	1500
153085	7	41550	514	3195	-1.85	-1.45	-0.40	.16	-0.24	0	1501
153085	7	41550	509	3253	.66	-1.05	1.71	1.65	2.40	0	1502
153085	7	41550	508	3403	-0.92	.49	-1.41	-0.55	-2.00	0	1503
153085	7	41550	519	3276	.45	-0.20	.65	-0.85	-0.24	0	1504
153085	7	41550	497	2649	6.42	.08	6.34	-0.15	6.15	0	1505
153085	7	41550	349	7339	.37	-0.03	.40	-0.05	.31	0	1506
153085	7	41550	320	5923	2.00	-0.05	2.05	-0.10	1.95	0	1507
153085	7	41550	205	6576	2.42	.01	2.41	-0.10	2.31	0	1508
153085	7	41550	303	6572	2.54	-0.03	2.57	-0.06	2.51	0	1509

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	7	41100	305	5611	3.75	-0.01	3.76	-0.14	3.62	0	1510
1530A5	7	41100	403	4578	3.9A	-0.0A	4.06	-0.04	4.02	0	1511
1530A5	7	41100	454	3660	5.16	.18	5.00	.05	5.05	0	1512
1530A5	7	41100	487	3205	.25	.06	.19	.05	.04	0	1513
1530A5	7	41100	524	3153	6.55	-0.32	6.88	.19	7.07	0	1514
1530A5	7	41100	524	3171	-1.70	-0.5A	-1.12	-0.25	-1.37	0	1515
1530A5	7	41100	532	3362	-0.42	-0.05	-0.37	-0.12	-0.49	0	1516
1530A5	7	41100	542	3200	-1.20	-0.47	-0.73	-0.65	-1.26	0	1517
1530A5	7	41100	544	3153	3.87	0	3.67	.95	4.26	0	1518
1530A5	7	41100	544	3174	6.19	.07	6.12	.14	6.26	0	1519
1530A5	7	41100	531	3318	6.4A	.22	6.26	-0.12	6.13	0	1520
1530A5	7	41100	438	4670	2.11	0	2.11	-0.10	2.01	0	1521
1530A5	7	41100	427	5273	2.82	-0.06	2.88	-0.20	2.68	0	1522
1530A5	7	40700	340	6885	2.45	-0.0A	2.53	-0.12	2.41	0	1523
1530A5	7	40700	357	6827	2.09	-0.02	2.12	-0.12	2.00	0	1524
1530A5	7	40700	353	7227	2.14	-0.10	2.24	-0.12	2.12	0	1525
1530A5	7	40700	356	7297	2.65	-0.02	2.67	-0.11	2.56	0	1526
1530A5	7	40700	374	7232	3.44	-0.02	3.47	-0.07	3.40	0	1527
1530A5	7	40700	388	6721	2.62	-0.01	2.63	-0.14	2.49	0	1528
1530A5	7	40700	417	5955	3.08	.21	2.87	.01	2.88	0	1529
1530A5	7	40700	455	4212	3.51	-0.03	3.54	-0.13	3.41	0	1530
1530A5	7	40700	469	3841	2.51	-0.02	2.53	-0.11	2.42	0	1531
1530A5	7	40700	476	3284	2.89	-0.11	3.00	-0.05	2.95	0	1532
1530A5	7	40700	488	3202	6.41	-0.3A	6.79	.30	7.09	0	1533
1530A5	7	40700	479	3258	-0.75	.26	-1.01	-0.47	-1.48	0	1534
1530A5	7	40700	480	3261	-1.34	-0.21	-1.13	-0.36	-1.49	0	1535
1530A5	7	40700	483	3426	-1.46	-0.19	-1.27	-0.67	-1.94	0	1536
1530A5	7	40700	487	3501	-1.64	-0.22	-1.42	-0.35	-1.77	0	1537
1530A5	7	40700	487	3495	-0.90	-0.17	-0.73	-0.65	-1.42	0	1538
1530A5	7	40700	492	3484	-1.83	-0.26	-1.57	-0.14	-1.71	0	1539
1530A5	7	40700	495	3281	.03	-0.0A	.11	-0.42	-0.21	0	1540
1530A5	7	40700	502	3195	3.71	-0.19	3.90	-0.10	3.80	0	1541
1530A5	7	40700	510	3113	.56	.02	.54	-0.62	-0.08	0	1542
1530A5	7	40700	511	3405	7.00	.16	6.84	-0.10	6.74	0	1543
1530A5	7	40700	376	4530	2.40	-0.04	2.44	-0.12	2.28	0	1544
1530A5	7	40700	344	4630	.16	-0.26	.42	-0.17	.25	0	1545
1530A5	7	40700	342	5297	2.41	-0.04	2.45	-0.12	2.38	0	1546
1530A5	7	40700	327	5795	2.67	0	2.67	-0.12	2.54	0	1547
1530A5	7	40150	248	8362	.23	-0.02	.25	-0.04	.21	0	1548
1530A5	7	40150	248	7240	2.25	-0.01	2.26	-0.10	2.16	0	1549
1530A5	7	40150	320	5355	.54	.27	.27	-0.21	.06	0	1550
1530A5	7	40150	344	3635	2.96	0	2.96	-0.15	2.81	0	1551
1530A5	7	40150	421	4124	4.32	.11	4.21	-0.33	3.88	0	1552
1530A5	7	39850	176	1140	-0.20	.01	-0.21	-0.0A	-0.29	0	1553
1530A5	7	39850	192	11497	-0.74	-0.05	-0.69	0	-0.65	0	1554

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. W/S (KNCTS)	ALTITUDE	NZ FORE	NZ DIFF. (CRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	7	19A50	326	2294	2.57	.08	3.49	.08	2.57	0	1555
1530A5	7	19A50	407	5857	5.09	.07	5.02	-0.15	4.23	0	1556
1530A5	7	19A50	456	3645	5.5A	.14	5.44	-0.11	5.23	0	1557
1530A5	7	19A50	460	3735	6.14	.25	5.89	-0.11	5.78	0	1558
1530A5	7	19A50	443	3A95	3.79	.10	4.30	-0.20	4.10	0	1559
1530A5	7	19A50	426	4586	3.79	.09	3.70	-0.08	3.62	0	1560
1530A5	7	19A50	415	4696	.35	.03	.32	.02	.34	0	1561
1530A5	7	19A50	412	4569	2.09	-0.09	2.18	-0.22	1.96	0	1562
1530A5	7	19A50	398	5545	2.95	-0.27	3.22	-0.15	3.07	0	1563
1530A5	7	19A50	382	5593	2.44	-0.05	2.49	-0.08	2.41	0	1564
1530A5	7	19A50	347	7015	2.63	.03	2.60	-0.13	2.47	0	1565
1530A5	7	19A50	305	7513	2.13	.01	2.12	-0.12	2.00	0	1566
1530A5	7	19A50	292	8094	2.48	.01	2.47	-0.07	2.40	0	1567
1530A5	7	19A50	284	7882	2.53	.02	2.50	-0.01	2.49	0	1568
1530A5	7	19A50	255	8493	2.11	-0.09	2.20	.09	2.29	0	1569
1530A5	7	19A50	269	8263	2.20	-0.08	2.28	.01	2.29	0	1570
1530A5	7	19A50	298	7674	2.58	-0.07	2.65	-0.01	2.64	0	1571
1530A5	7	19A50	421	5245	3.70	.08	3.62	-0.15	3.47	0	1572
1530A5	7	19A50	481	3A55	4.58	-0.04	4.62	-0.24	4.28	0	1573
1530A5	7	19A50	532	3279	2.79	.08	2.62	-0.07	2.55	0	1574
1530A5	7	19A50	542	3271	.48	.06	.42	-0.17	.25	0	1575
1530A5	7	19A50	566	2092	1.94	-0.07	2.01	.05	2.06	0	1576
1530A5	7	19A50	555	3185	.48	.11	.37	-0.11	.26	0	1577
1530A5	7	19A50	588	2714	.36	-0.26	.64	-0.46	.18	0	1578
1530A5	7	19A50	576	2513	.36	.02	.33	-0.04	.25	0	1579
1530A5	7	19A50	566	3184	3.51	-0.06	3.67	.37	4.04	0	1580
1530A5	7	19A50	527	3668	2.82	0	2.82	-0.13	3.69	0	1581
1530A5	7	19A50	480	4083	2.73	.05	2.86	-0.06	2.80	0	1582
1530A5	7	19A50	443	4894	4.12	.02	4.10	-0.23	3.67	0	1583
1530A5	7	19A50	381	5466	3.09	-0.07	3.06	.11	3.17	0	1584
1530A5	7	19A50	348	6213	2.10	-0.07	2.17	-0.14	2.03	0	1585
1530A5	7	19A50	325	6297	2.32	-0.04	2.36	-0.14	2.22	0	1586
1530A5	7	19A50	306	6275	2.23	-0.07	2.30	-0.14	2.16	0	1587
1530A5	7	19A50	325	5658	2.19	-0.06	2.25	-0.18	2.07	0	1588
1530A5	7	19A50	352	5022	2.27	-0.01	2.28	-0.02	2.25	0	1589
1530A5	7	19A50	361	4790	2.18	-0.05	2.23	-0.16	2.07	0	1590
1530A5	7	19A50	422	3467	2.02	-0.04	2.06	-0.10	1.96	0	1591
1530A5	7	19A50	418	3295	2.24	-0.03	2.21	-0.02	2.18	0	1592
1530A5	7	19A50	396	3541	2.30	-0.04	2.34	-0.11	2.20	0	1593
1530A5	7	19A50	378	3835	2.73	-0.03	2.76	-0.17	2.59	0	1594
1530A5	7	19A50	370	4164	2.00	-0.02	2.07	-0.12	1.95	0	1595
1530A5	7	19A50	270	5656	2.15	-0.09	2.25	-0.10	2.15	0	1596
1530A5	7	19A50	321	8262	2.75	-0.02	2.77	-0.06	2.71	0	1597
1530A5	7	19A50	361	7023	2.87	.06	2.81	-0.01	2.80	0	1598
1530A5	7	19A50	361	7023	2.87	.06	2.81	-0.01	2.80	0	1599

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ (FOR)	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	7	39000	395	5561	2.61	-0.	-0.10	2.67	0	1600
1530A5	7	39000	440	4415	2.92	-0.	-0.11	3.01	0	1601
1530A5	7	39000	452	4063	2.54	-0.	.05	2.54	0	1602
1530A5	7	39000	459	3674	2.42	-0.07	-0.11	2.49	0	1603
1530A5	7	39000	469	3495	2.33	.19	.14	2.14	0	1604
1530A5	7	39000	469	3702	2.35	-0.06	-0.21	3.44	0	1605
1530A5	7	39000	439	4200	2.75	-0.06	.07	2.81	0	1606
1530A5	7	39000	312	4219	2.58	-0.22	.04	2.80	0	1607
1530A5	7	39000	294	4542	2.20	-0.15	-0.07	2.34	0	1608
1530A5	7	39000	271	10216	2.20	-0.15	.02	2.35	0	1609
1530A5	7	39000	155	13141	2.51	-0.02	-0.15	.40	0	1610
1530A5	7	38550	205	10319	2.51	-0.12	-0.16	2.63	0	1611
1530A5	7	38550	338	8788	2.18	-0.10	-0.07	2.20	0	1612
1530A5	7	38550	370	7273	2.52	-0.01	-0.06	2.53	0	1613
1530A5	7	38550	369	6046	2.50	-0.02	.10	2.52	0	1614
1530A5	7	38550	475	2548	2.45	.02	-0.04	2.43	0	1615
1530A5	7	38550	379	4600	2.72	-0.10	-0.12	2.82	0	1616
1530A5	7	38550	368	4566	2.38	-0.01	-0.10	2.39	0	1617
1530A5	7	38550	325	4401	2.58	-0.25	-0.07	2.53	0	1618
1530A5	7	38550	308	6929	1.96	-0.14	.01	2.10	0	1619
1530A5	7	38550	302	8432	2.02	-0.12	-0.05	2.14	0	1620
1530A5	7	38550	315	7975	2.03	0	-0.07	2.03	0	1621
1530A5	7	38550	331	7550	1.92	-0.07	-0.05	1.99	0	1622
1530A5	7	38550	351	6529	2.32	-0.02	-0.11	2.34	0	1623
1530A5	7	38550	357	6604	2.35	-0.02	-0.05	2.37	0	1624
1530A5	7	38550	366	6340	2.34	.06	-0.05	2.25	0	1625
1530A5	7	38550	374	6070	2.25	0	-0.11	2.14	0	1626
1530A5	7	38100	383	5762	2.45	-0.04	-0.01	2.49	0	1627
1530A5	7	38100	397	5066	2.29	-0.06	-0.02	2.35	0	1628
1530A5	7	38100	405	4703	2.35	-0.02	-0.06	2.37	0	1629
1530A5	7	38100	410	3727	2.02	-0.05	-0.02	2.07	0	1630
1530A5	7	38100	415	3465	2.25	-0.03	-0.01	2.28	0	1631
1530A5	7	38100	406	3600	2.39	-0.17	-0.02	2.56	0	1632
1530A5	7	38100	387	4137	2.55	.03	.04	2.62	0	1633
1530A5	7	38100	369	4586	2.15	-0.12	-0.11	2.27	0	1634
1530A5	7	38100	346	5277	2.10	-0.11	-0.14	2.21	0	1635
1530A5	7	38100	291	6391	.56	.09	.05	.25	0	1636
1530A5	7	38100	291	6391	.42	.31	-0.06	.27	0	1637
1530A5	7	38100	279	7255	.29	.21	-0.16	-0.08	0	1638
1530A5	7	38100	287	7413	1.62	-0.29	.11	1.91	0	1639
1530A5	7	38100	368	4977	2.32	-0.06	-0.05	2.38	0	1640
1530A5	7	38100	367	2854	2.73	.04	-0.12	2.69	0	1641
1530A5	7	38100	364	3614	2.88	-0.10	-0.04	2.98	0	1642
1530A5	7	38100	391	2682	2.25	-0.17	-0.05	2.42	0	1643
1530A5	7	38100	382	2555	2.57	-0.06	-0.17	2.63	0	1644

# ACCELEROMETER DATA

A/C SER.NO. 153805 FLT.NO. 7 DATE 5/ 9/70 FLT.TIME .69HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 9500 9549 9521 9302

COUNTS AFTER FLT 9514 9552 9532 9302

DISPERENCE 14 4 1 0

CG ACCEL. 12 2 0 0

PCRE ACCEL. 12 1 0 0

AFT ACCEL. 11 2 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

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SEC. NO. CG ACCEL. PCRE ACCEL. AFT ACCEL.

1419	5.67	5.88	5.51
1429	6.05	6.28	5.78
1431	5.22	-0.36	5.57
1450	5.66	0.01	5.60
1468	5.97	6.05	5.72
1481	5.26	4.99	5.54
1500	7.02	6.42	7.55
1505	6.34	6.42	6.18
1514	6.08	6.55	7.07
1519	6.12	6.19	6.26
1520	6.26	6.48	6.13
1533	6.79	6.41	7.09
1543	6.04	7.08	6.74
1558	5.89	6.14	5.78
1641	6.71	5.71	5.59
1683	6.03	6.88	5.74

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BUREAU NUMBER	FLIGHT ALPEO	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	MANUEVER CODE	SEQUENCE NUMBER
153045	7	38100	347	5723	.54	.10	.44	-0.11	0	1645
153045	7	38100	306	7593	.30	.10	.28	-0.14	0	1646
153045	7	38100	206	7586	.30	.07	.27	-0.12	0	1647
153045	7	38100	201	8617	.37	-0.01	.38	-0.05	0	1648
153045	7	38100	324	8274	1.96	0	1.96	.05	0	1649
153045	7	38100	340	8227	2.09	-0.03	2.12	-0.06	0	1650
153045	7	38100	355	8527	2.48	-0.02	2.56	-0.08	0	1651
153045	7	38100	371	8585	2.40	-0.01	2.50	.11	0	1652
153045	7	37600	442	7214	2.06	-0.05	2.11	-.07	0	1653
153045	7	37600	460	6776	1.96	-.04	1.92	.11	0	1654
153045	7	37600	472	5027	.49	-0.01	.50	-0.46	0	1655
153045	7	37600	484	4825	2.64	.03	2.65	.05	0	1656
153045	7	37600	484	4735	1.94	-0.13	2.07	-0.05	0	1657
153045	7	37600	407	4754	2.13	-0.07	2.20	-0.07	0	1658
153045	7	37600	512	4823	4.32	.08	4.24	-0.12	0	1659
153045	7	37600	452	7323	4.37	.07	4.26	-0.19	0	1660
153045	7	37600	402	4846	2.64	-0.05	2.69	-0.16	0	1661
153045	7	37200	206	5586	.60	.06	.54	-0.17	0	1662
153045	7	37200	316	3253	2.65	.02	2.63	-0.06	0	1663
153045	7	37200	178	10192	-0.30	-0.04	-0.22	-0.23	0	1664
153045	7	37200	347	4512	2.62	-0.01	3.63	-0.17	0	1665
153045	7	37200	321	3621	2.59	-0.06	2.65	-0.05	0	1666
153045	7	37200	305	3250	2.15	-0.04	2.19	.03	0	1667
153045	7	37200	342	4457	2.25	-0.05	2.34	-0.09	0	1668
153045	7	37200	375	5545	2.24	.05	2.19	-0.07	0	1669
153045	7	36650	317	7267	2.04	-0.06	2.10	-0.06	0	1670
153045	7	36650	326	7461	.09	.01	.68	-0.02	0	1671
153045	7	36650	328	6835	2.30	-0.01	2.31	-0.07	0	1672
153045	7	36650	425	5475	2.28	-0.01	2.29	-0.07	0	1673
153045	7	36650	420	5084	2.42	-0.06	2.48	-0.15	0	1674
153045	7	36650	446	4321	2.51	0	2.51	-0.14	0	1675
153045	7	36650	449	4071	2.60	-0.01	2.69	-0.12	0	1676
153045	7	36650	465	3728	2.82	0	2.82	-0.15	0	1677
153045	7	36650	407	3206	.47	.02	.44	-0.17	0	1678
153045	7	36650	506	3232	.30	.03	.27	-0.15	0	1679
153045	7	36650	512	3237	.40	.04	.36	-0.12	0	1680
153045	7	36650	522	3235	5.71	-1.00	6.71	-0.76	0	1681
153045	7	36650	516	3285	-1.51	-1.66	.15	5.55	0	1682
153045	7	36650	502	3609	6.04	.05	6.03	-0.12	0	1683
153045	7	36650	361	4511	2.44	-0.02	2.46	-0.01	0	1684
153045	7	36650	342	4579	2.27	.02	2.25	-0.03	0	1685
153045	7	36650	324	4451	2.09	-0.03	2.12	-0.03	0	1686
153045	7	36650	297	4179	.50	-0.01	.51	0	0	1687
153045	8	44140	214	821	-0.16	-0.24	.18	-0.11	0	1688
153045	8	44140	226	787	.17	-0.03	.20	-0.02	0	1689

# NADC-72021 VT

SURFAU NUMBER	FLIGHT NUMBER	GRCSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	N7 FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	MANUEVER CCODE	SEQUENCE NUMBER
1530A5	A	43240	353	2432	2.12	.02	2.10	-0.04	0	1690
1530A5	A	43240	360	2185	2.25	.00	2.25	-0.11	0	1691
1530A5	B	43240	506	1139	3.79	.12	3.67	-0.02	0	1692
1530A5	P	43240	324	6410	-0.08	-0.33	.25	.06	0	1693
1530A5	A	43240	307	7092	.67	.09	.58	-0.34	0	1694
1530A5	A	42640	206	10106	-0.57	-0.11	-0.46	-0.07	0	1695
1530A5	A	42640	388	5232	4.10	.11	3.99	0	0	1696
1530A5	P	42640	489	1432	4.66	.13	4.53	-0.12	0	1697
1530A5	A	42640	408	521	3.52	-0.08	3.60	-0.14	0	1698
1530A5	A	42640	514	785	-0.05	-0.27	.22	-0.57	0	1699
1530A5	A	42640	515	1139	6.93	-0.08	7.01	-0.18	0	1700
1530A5	A	42640	386	7490	.37	-0.05	.46	-0.05	0	1701
1530A5	A	42640	372	8287	2.15	-0.16	2.31	-0.25	0	1702
1530A5	A	42640	317	5164	.63	.08	.55	-0.12	0	1703
1530A5	A	42640	317	5007	.55	.11	.44	-0.14	0	1704
1530A5	A	42640	379	8135	2.68	-0.05	2.73	-0.12	C	1705
1530A5	B	42640	387	7675	3.15	-0.03	3.18	-0.05	0	1706
1530A5	A	42640	452	6264	2.48	-0.04	2.52	-0.11	0	1707
1530A5	A	42640	590	1716	4.55	.02	4.53	-0.10	0	1708
1530A5	A	42640	506	844	4.09	-0.24	4.33	-0.12	0	1709
1530A5	A	42640	525	2719	6.48	.21	6.27	-0.30	0	1710
1530A5	A	42640	430	4667	-1.55	-1.40	-0.15	.19	0	1711
1530A5	C	42640	399	6743	.58	-4.69	5.27	.61	0	1712
1530A5	A	42640	352	8066	2.34	.32	2.02	2.78	0	1713
1530A5	A	42640	250	10596	-0.14	-2.26	2.12	.21	0	1714
1530A5	A	42640	195	11804	.33	-0.03	.36	0	0	1715
1530A5	A	42640	171	12408	.29	.01	.28	-0.08	0	1716
1530A5	A	42640	189	12467	-0.56	-0.22	-0.34	-0.15	0	1717
1530A5	A	42640	385	7019	3.88	.09	3.77	-0.23	0	1718
1530A5	A	42640	362	5494	3.89	.05	3.83	-0.21	0	1719
1530A5	A	42640	379	3248	3.71	0	3.71	-0.10	0	1720
1530A5	A	42640	395	2746	3.48	.02	3.46	-0.18	0	1721
1530A5	A	42640	326	1665	3.15	.06	3.09	-0.11	0	1722
1530A5	A	42640	330	869	0	.16	-0.16	-0.16	C	1723
1530A5	A	42640	334	919	2.03	-0.14	2.17	-0.04	0	1724
1530A5	A	42640	472	834	4.93	-0.03	.52	-0.15	0	1725
1530A5	A	42100	472	1688	.32	-0.01	4.83	-0.25	0	1726
1530A5	A	42100	218	8006	.32	-0.01	.33	-0.06	0	1727
1530A5	A	42100	282	6889	-0.74	-0.38	-0.36	.01	0	1728
1530A5	A	42100	467	2282	2.90	.07	2.83	-0.05	0	1729
1530A5	A	42100	500	1216	4.50	-0.05	4.55	-0.33	0	1730
1530A5	A	42100	511	870	.43	-0.21	.64	-0.51	0	1731
1530A5	A	42100	516	1165	6.29	-0.12	6.41	-0.22	0	1732
1530A5	A	42100	379	5134	2.68	-0.01	2.69	-0.18	0	1733
1530A5	A	42100	296	6591	2.03	-0.07	2.10	-0.11	0	1734



# NADC-72021 VT

PURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	N7 FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	A	42100	294	6994	2.10	-0.06	2.16	-0.07	2.09	0	1735
153045	A	41750	314	5715	2.78	-0.01	2.79	-0.14	2.65	0	1736
153045	A	41750	311	5719	2.37	.02	2.34	-0.07	2.27	0	1737
153045	A	41750	276	7431	2.06	-0.09	2.15	-0.02	2.13	0	1738
153045	A	41750	271	7838	.15	.15	0	-0.18	-0.18	0	1739
153045	A	41750	246	7956	1.99	-0.14	2.17	-0.10	2.07	0	1740
153045	A	41750	385	6122	2.58	-0.11	2.69	-0.19	2.50	0	1741
153045	A	41750	447	4799	.37	.13	.17	-0.20	-0.03	0	1742
153045	A	41750	476	3611	2.63	.25	2.38	.10	2.48	0	1743
153045	A	41750	554	2069	5.14	.40	4.74	-0.28	4.46	0	1744
153045	A	41750	552	1005	2.22	.01	2.21	-0.06	2.15	0	1745
153045	A	41750	544	530	2.17	-0.01	2.18	-0.06	2.10	0	1746
153045	A	41750	538	881	2.76	-0.07	2.83	-0.08	2.75	0	1747
153045	A	41750	541	843	3.09	-0.61	3.70	1.09	4.79	0	1748
153045	A	41750	536	834	-2.27	-0.55	-1.72	-0.52	-2.25	0	1749
153045	A	41750	545	958	-1.59	.09	-1.67	-0.05	-1.72	0	1750
153045	A	41750	551	771	-0.69	-1.22	.53	-0.57	-0.04	0	1751
153045	A	41750	562	847	.55	-0.31	.86	-0.77	.09	0	1752
153045	A	41750	562	521	6.38	.16	6.20	-0.19	6.01	0	1753
153045	A	41750	463	2731	6.14	.07	6.07	.04	6.11	0	1754
153045	A	41750	399	5061	2.14	-0.04	2.18	-0.16	2.02	0	1755
153045	A	41750	296	5743	2.34	-0.04	2.38	-0.06	2.32	0	1756
153045	A	41750	274	6204	1.97	-0.09	2.06	-0.08	1.98	0	1757
153045	A	41750	282	7026	2.01	-0.09	2.10	-0.07	2.03	0	1758
153045	A	41750	287	6903	2.59	-0.07	2.57	.12	2.70	0	1759
153045	A	41750	303	6201	2.59	-0.23	2.82	.04	2.86	0	1760
153045	A	41750	310	6058	2.74	-0.16	2.90	-0.10	2.80	0	1761
153045	A	41750	373	5083	7.55	-0.04	3.59	-0.21	3.38	0	1762
153045	A	41750	402	4010	1.95	-0.31	2.26	-0.22	2.04	0	1763
153045	A	41750	436	3205	3.58	-0.19	3.77	-0.17	3.60	0	1764
153045	A	41750	440	2208	3.39	-0.15	3.54	-0.27	3.27	0	1765
153045	A	41750	465	1237	3.95	.01	3.87	-0.09	3.78	0	1766
153045	A	41750	434	793	.54	.04	.50	-0.19	.25	0	1767
153045	A	41750	482	797	.44	.04	.36	-0.13	.23	0	1768
153045	A	41100	520	854	.54	.02	.52	-0.16	.36	0	1769
153045	A	41100	529	817	6.18	-0.24	6.42	.69	7.11	0	1770
153045	A	41100	527	881	-1.71	-0.43	-1.28	-0.46	-1.74	0	1771
153045	A	41100	520	1074	-1.71	-0.40	-1.31	.31	-1.00	0	1772
153045	A	41100	535	1121	-1.22	.03	-1.25	-0.07	-1.32	0	1773
153045	A	41100	530	1014	-1.04	.16	-1.20	-0.10	-1.30	0	1774
153045	A	41100	551	867	3.24	-0.14	3.38	-0.14	3.24	0	1775
153045	A	41100	555	678	.25	-0.20	.55	-0.83	-0.28	0	1776
153045	A	41100	536	1233	5.92	.12	6.80	-0.32	6.48	0	1777
153045	A	41100	782	2826	.29	-0.11	.40	-0.16	.24	0	1778
153045	A	41100	362	4749	2.02	-0.20	2.22	-0.29	1.93	0	1779

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	0	41100	352	5234	2.14	-0.05	2.23	-0.13	2.10	0	1780
1530A5	0	41100	330	6247	2.33	-0.04	2.41	-0.15	2.26	0	1781
1530A5	0	41100	307	7158	2.31	-0.11	2.42	-0.12	2.20	0	1782
1530A5	0	41100	254	7530	.40	.03	.37	-0.09	.28	0	1783
1530A5	0	41100	267	7823	1.99	-0.08	2.07	-0.02	2.05	0	1784
1530A5	0	41100	281	7481	2.11	-0.23	2.34	-0.02	2.22	0	1785
1530A5	0	40800	334	5489	2.80	-0.01	2.81	-0.09	2.72	0	1786
1530A5	0	40800	345	4246	.53	-0.01	.54	-0.19	.35	0	1787
1530A5	0	40800	360	3531	2.24	-0.11	2.35	-0.09	2.26	0	1788
1530A5	0	40800	377	2551	2.64	-0.11	2.75	-0.10	2.65	0	1789
1530A5	0	40800	395	2278	3.18	-0.12	3.30	-0.02	3.28	0	1790
1530A5	0	40800	429	1700	3.65	-0.11	3.76	-0.23	3.53	0	1791
1530A5	0	40800	475	1110	3.33	-0.07	3.40	-0.14	3.26	0	1792
1530A5	0	40800	485	.951	.79	.24	.46	-0.20	.26	0	1793
1530A5	0	40800	564	504	.54	.04	.50	-0.32	.18	0	1794
1530A5	0	40800	567	542	6.82	-0.44	7.26	.99	8.25	0	1795
1530A5	0	40800	563	517	-2.09	-1.35	-0.65	.19	-0.46	0	1796
1530A5	0	40800	563	882	.30	-1.44	1.74	1.38	3.10	0	1797
1530A5	0	40200	558	954	.78	-1.06	1.84	1.74	3.52	0	1798
1530A5	0	40800	556	994	-1.35	-1.66	.31	.75	1.06	0	1799
1530A5	0	40800	557	1014	-0.01	-1.23	1.22	1.41	2.62	0	1800
1530A5	0	40800	550	997	.14	-1.13	1.27	1.49	2.76	0	1801
1530A5	0	40800	551	1042	-1.03	.21	-1.24	-0.78	-2.02	0	1802
1530A5	0	40800	560	980	.35	-0.27	.62	-0.88	-0.26	0	1803
1530A5	0	40800	518	1649	7.17	.17	7.00	-0.15	6.85	0	1804
1530A5	0	40800	381	5916	3.05	.05	3.00	-0.17	2.82	0	1805
1530A5	0	40800	314	6575	2.26	-0.06	2.32	-0.12	2.20	0	1806
1530A5	0	40800	317	8574	2.03	-0.06	2.09	-0.09	2.00	0	1807
1530A5	0	40800	328	9131	2.65	0	2.65	-0.17	2.48	0	1808
1530A5	0	40800	302	5226	2.02	-0.20	2.23	-0.18	2.05	0	1809
1530A5	0	40800	311	6272	2.78	-0.15	2.93	.02	2.95	0	1810
1530A5	0	40800	315	8543	2.84	-0.19	3.03	-0.02	3.01	0	1811
1530A5	0	40800	352	7286	.35	.01	.34	-0.06	.28	0	1812
1530A5	0	40800	402	6068	2.43	-0.13	3.56	-0.12	2.44	0	1813
1530A5	0	40800	444	4556	2.43	-0.03	2.45	-0.17	2.29	0	1814
1530A5	0	40800	472	1800	4.57	-0.10	4.67	-0.18	4.49	0	1815
1530A5	0	40800	470	1015	3.24	-0.08	3.32	-0.08	3.24	0	1816
1530A5	0	40800	514	822	.53	.09	.44	-0.02	.36	0	1817
1530A5	0	40800	541	823	.51	.06	.45	-0.15	.30	0	1818
1530A5	0	40800	552	681	7.38	-0.44	7.82	.07	7.89	0	1819
1530A5	0	40800	539	529	-1.52	-0.55	-0.97	.05	-0.82	0	1820
1530A5	0	40800	537	597	-1.01	.29	-1.40	-0.51	-1.91	0	1821
1530A5	0	40800	541	1127	-0.57	0	-0.57	-0.02	-0.59	0	1822
1530A5	0	40800	550	1003	-1.06	-0.53	-0.53	-0.64	-1.17	0	1823
1530A5	0	40800	555	926	4.21	-0.12	4.39	-0.10	4.29	0	1824

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	ENV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	MANUEVER CODE	SEQUENCE NUMBER
153045	A	406	557	506	.12	-0.34	.47	-0.49	0	1825
153045	A	4040	520	1715	2.37	.22	0.15	-0.11	0	1826
153045	A	4030	329	5686	2.39	0	2.39	-0.12	0	1827
153045	A	4020	310	6207	-0.37	-0.54	.17	-0.22	0	1828
153045	A	4020	300	6629	2.17	-0.10	2.27	-0.14	0	1829
153045	A	4020	400	5219	4.26	.15	4.11	-0.08	0	1830
153045	A	4020	440	3516	4.11	-0.04	4.15	-0.14	0	1831
153045	A	4020	526	2461	2.13	-0.03	2.16	-0.04	0	1832
153045	A	4020	544	2053	.21	.11	.10	.06	0	1833
153045	A	4020	478	1753	2.09	-0.04	2.13	-0.10	0	1834
153045	A	4020	429	2696	2.96	-0.15	3.11	-0.02	0	1835
153045	A	4020	431	2851	2.09	-0.05	2.14	-0.05	0	1836
153045	A	4020	424	2197	2.67	-0.19	2.86	-0.10	0	1837
153045	A	4020	425	3529	2.86	-0.24	3.10	-0.37	0	1838
153045	A	4020	302	4117	2.36	-0.18	2.54	-0.09	0	1839
153045	A	4020	395	4226	2.81	-0.16	2.97	-0.10	0	1840
153045	A	4020	330	5127	2.16	-0.12	2.28	-0.01	0	1841
153045	A	4020	299	6131	2.16	-0.16	2.32	-0.09	0	1842
153045	A	4020	317	5255	2.16	-0.10	2.26	-0.10	0	1843
153045	A	4020	334	5479	2.42	-0.09	2.51	-0.02	0	1844
153045	A	4020	308	2436	2.90	.03	2.97	-0.14	0	1845
153045	A	39050	427	2051	3.07	-0.26	3.33	.05	0	1846
153045	A	39050	456	1507	2.55	.05	3.50	-0.14	0	1847
153045	A	39050	467	1055	2.33	-0.09	2.42	-0.14	0	1848
153045	A	39050	474	853	.37	.01	.36	-0.05	0	1849
153045	A	39050	490	278	5.92	-0.45	6.37	.94	0	1850
153045	A	39050	483	953	-0.34	.19	-0.53	-0.65	0	1851
153045	A	39050	483	1075	-1.04	-0.15	-0.93	-0.37	0	1852
153045	A	39050	491	1235	-1.62	-0.12	-1.50	-0.06	0	1853
153045	A	39050	498	1259	-2.02	-0.20	-1.82	-0.07	0	1854
153045	A	39050	507	1065	-0.16	.02	-0.18	-0.10	0	1855
153045	A	39050	517	1041	3.04	-0.12	3.16	-0.14	0	1856
153045	A	39050	528	1288	8.07	-0.33	8.40	-0.12	0	1857
153045	A	39050	205	2649	2.21	-0.11	2.32	-0.10	0	1858
153045	A	39050	351	2547	3.05	.05	3.10	.10	0	1859
153045	A	39050	341	1557	2.11	-0.05	2.16	-0.12	0	1860
153045	A	39050	273	4442	2.08	.02	2.06	-0.06	0	1861
153045	A	39050	303	2802	2.09	-0.01	2.10	-0.05	0	1862
153045	A	39050	321	2250	2.65	.05	2.60	-0.10	0	1863
153045	A	39100	212	7585	-0.12	-0.05	-0.07	-0.01	0	1864
153045	A	39100	309	6438	.77	.35	.42	-0.07	0	1865
153045	A	39100	335	6126	2.37	0	2.37	.25	0	1866
153045	A	39100	402	4507	2.32	-0.01	2.33	-0.18	0	1867
153045	A	39100	445	2630	2.63	.02	2.61	-0.07	0	1868
153045	A	39100	485	2156	2.84	-0.05	3.09	-0.20	0	1869

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AF/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153085	P	39100	555	1735	5.44	.16	5.28	-0.13	5.15	0	1870
153085	A	39100	584	246	3.05	-0.10	3.15	-0.06	3.09	0	1871
153085	A	39100	619	180	.42	.08	.33	-0.023	.11	0	1872
153085	A	39100	624	1	.56	.27	.34	-0.01	.32	0	1873
153085	A	39100	621	84	2.05	-0.35	2.40	-0.06	2.24	0	1874
153085	A	39100	612	601	.43	0	.43	-0.05	.28	0	1875
153085	B	39100	571	858	3.00	-0.31	3.31	-0.10	3.21	0	1876
153085	B	39100	550	1143	5.20	.92	5.17	-0.17	5.00	0	1877
153085	A	39100	464	2633	2.14	-0.02	2.21	-0.03	2.18	0	1878
153085	A	39100	384	2920	2.17	.02	3.15	-0.14	2.01	0	1879
153085	A	39100	350	4281	2.23	-0.04	2.27	-0.10	2.17	0	1880
153085	A	39100	351	4458	2.72	.03	2.69	-0.15	2.54	0	1881
153085	A	39100	359	2564	3.20	-0.03	3.23	-0.18	3.05	0	1882
153085	A	39100	386	2831	3.05	0	3.06	-0.14	2.92	0	1883
153085	A	39100	404	2324	2.31	-0.25	2.56	-0.40	2.16	0	1884
153085	A	39100	424	1141	2.09	-0.03	2.12	-0.01	2.11	0	1885
153085	A	39100	476	1004	2.17	.05	2.12	-0.06	2.06	0	1886
153085	B	39100	444	1394	2.35	-0.06	2.41	-0.13	2.28	0	1887
153085	B	39100	427	1575	2.80	-0.02	2.31	-0.08	2.22	0	1888
153085	A	39100	371	5113	2.24	-0.11	.63	-0.16	.44	0	1889
153085	A	39100	310	10007	.52	0	2.27	-0.01	2.26	0	1890
153085	A	39100	382	7748	2.22	-0.05	2.93	-0.02	2.90	0	1891
153085	B	39100	443	5790	2.85	-0.03	3.02	-0.12	2.93	0	1892
153085	A	39100	472	4421	2.61	.06	2.55	-0.15	2.36	0	1893
153085	A	39100	464	4223	2.37	-0.07	2.40	-0.14	2.26	0	1894
153085	A	39100	466	3284	2.37	-0.01	2.38	.01	2.35	0	1895
153085	A	39100	520	2041	2.16	-0.01	2.17	.01	2.12	0	1896
153085	A	39100	525	1578	2.75	-0.03	2.78	-0.07	2.71	0	1897
153085	B	39100	524	1264	2.51	-0.10	2.61	-0.06	2.55	0	1898
153085	A	39100	524	1228	2.69	-0.14	2.83	-0.07	2.76	0	1899
153085	A	39100	482	2111	3.67	-0.08	4.05	-0.08	3.97	0	1900
153085	A	39100	307	2265	2.38	-0.05	2.43	-0.04	2.35	0	1901
153085	A	39100	281	9558	2.86	-0.09	2.15	-0.06	2.09	0	1902
153085	A	39100	308	9132	2.46	-0.09	2.55	.01	2.56	0	1903
153085	A	39100	342	7958	3.09	0	3.09	-0.09	3.00	0	1904
153085	A	39100	382	6373	3.42	.03	3.46	-0.14	3.32	0	1905
153085	A	39100	425	2390	2.79	-0.14	3.79	-0.12	3.67	0	1906
153085	B	39100	457	4450	3.39	-0.17	3.53	-0.22	3.31	0	1907
153085	A	39100	464	1448	3.08	-0.17	3.25	-0.01	3.24	0	1908
153085	A	39100	464	1275	3.35	.01	3.34	-0.14	3.20	0	1909
153085	A	39100	456	1225	3.44	-0.10	3.54	-0.17	3.37	0	1910
153085	A	39100	424	1829	2.69	-0.08	3.15	0	3.15	0	1911
153085	A	39100	404	2410	2.69	-0.04	2.73	-0.04	2.69	0	1912
153085	A	39100	381	2680	2.50	-0.05	2.55	-0.17	2.38	0	1913
153085	B	39100	362	3565	2.22	-0.06	2.31	-0.07	2.24	0	1914

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	ENV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153095	A	38400	343	4752	2.09	-0.14	2.23	-0.19	2.04	0	1915
153095	A	38400	226	4433	.48	.06	.42	-0.10	.22	0	1916
153095	A	38400	188	6529	.38	-0.04	.42	-0.08	.24	0	1917
153095	A	38400	178	10100	.31	-0.05	.36	-0.06	.30	0	1918
153095	A	38400	306	7480	2.64	0	2.68	0	2.68	0	1919
153095	A	38400	321	6749	2.99	-0.02	3.02	-0.02	2.99	0	1920
153095	A	38400	342	6505	3.22	-0.01	3.29	-0.01	3.28	0	1921
153095	A	38400	363	7242	3.02	-0.05	3.07	-0.01	3.06	0	1922
153095	A	37050	402	7078	2.70	-0.15	2.85	-0.24	2.61	0	1923
153095	A	37050	414	2641	2.34	-0.12	2.46	-0.20	2.26	0	1924
153095	A	37050	421	2215	2.48	-0.12	2.60	-0.19	2.41	0	1925
153095	A	37050	438	1411	2.23	.06	2.17	-0.04	2.13	0	1926
153095	A	37050	432	1225	2.57	-0.02	2.59	-0.12	2.47	0	1927
153095	A	37050	428	1266	2.13	-0.06	2.19	-0.06	2.13	0	1928
153095	A	37050	423	1388	2.75	-0.10	2.85	-0.06	2.79	0	1929
153095	A	37050	411	1732	2.66	-0.16	2.70	-0.11	2.59	0	1930
153095	A	37050	399	2058	2.30	-0.16	2.46	-0.14	2.32	0	1931
153095	A	37050	388	2792	2.20	-0.04	2.24	-0.14	2.10	0	1932
153095	A	37050	364	4750	2.00	-0.04	2.10	.05	2.22	0	1933
153095	A	37050	377	7221	2.46	-0.04	2.50	.01	2.51	0	1934
153095	A	37050	374	2555	2.51	-0.10	2.63	-0.15	2.48	0	1935
153095	A	37050	362	1945	2.76	-0.03	2.79	-0.15	2.64	0	1936
153095	A	37050	367	1653	2.46	-0.14	2.60	-0.05	2.55	0	1937
153095	A	37050	368	1478	2.26	-0.08	2.34	.02	2.37	0	1938
153095	A	37050	364	1359	2.29	-0.17	2.46	.01	2.47	0	1939
153095	A	37050	362	1313	2.58	-0.06	2.64	-0.12	2.52	0	1940
153095	A	37050	377	1570	2.55	-0.09	2.64	-0.01	2.63	0	1941
153095	A	37050	350	2444	1.96	-0.19	2.15	.06	2.21	0	1942
153095	A	37050	342	2598	.61	.18	.43	-0.11	.32	0	1943
153095	A	37050	237	6798	.41	-0.01	.42	-0.07	.25	0	1944
153095	A	37050	224	7552	.48	.04	.44	-0.06	.28	0	1945
153095	A	37750	440	5114	2.31	-0.04	2.35	-0.16	2.19	0	1946
153095	A	37750	495	2069	3.14	-0.02	3.16	-0.13	3.02	0	1947
153095	A	37750	502	2283	2.26	-0.04	2.30	-0.01	2.29	0	1948
153095	A	37750	481	2848	6.17	.26	5.91	-0.28	5.62	0	1949
153095	A	37750	407	3596	2.84	-0.08	2.92	-0.12	2.79	0	1950
153095	A	37750	309	2505	2.09	-0.05	2.18	.01	2.19	0	1951
153095	A	37750	308	2648	2.48	-0.05	2.53	-0.13	2.39	0	1952
153095	A	37750	316	2748	2.10	-0.07	2.17	-0.05	2.12	0	1953
153095	A	37750	1487	7525	2.66	.02	2.64	-0.14	2.50	0	1954
153095	A	37050	139	7525	-0.49	-0.08	-0.32	-0.07	-0.29	0	1955
153095	A	37050	302	4139	3.39	.08	3.31	-0.06	3.22	0	1956
153095	A	37050	264	697	2.02	.02	2.00	.02	2.02	0	1957
153095	A	37050	340	4681	2.09	-0.07	2.16	-0.10	2.06	0	1958
153095	A	37050	372	4138	2.65	.07	2.58	-0.09	2.49	0	1959

# ACCELEROMETER DATA

A/C SER.NO. 153085 FLT.NO. 8 DATE 5/10/70 FLT.TIME .63HRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT 9514 9553 9522 9303

COUNTS AFTER FLT 9528 9561 9525 9303

DIFFERENCE 14 2 3 0

CG ACCEL. 16 2 1 0

FCRE ACCEL. 16 7 1 0

AFT ACCEL. 16 2 0 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. - CG ACCEL. - FCRE ACCEL. - AFT ACCEL.

1700	7.01	6.93	6.83
1710	6.27	6.48	5.97
1712	5.27	.58	5.88
1732	6.41	6.29	6.18
1753	6.20	6.36	6.01
1754	6.07	6.14	6.11
1770	6.42	6.18	7.11
1777	6.80	6.92	6.48
1795	7.26	6.82	8.25
1804	7.00	7.17	6.85
1819	7.82	7.38	7.85
1826	6.15	8.37	6.14
1850	6.37	5.92	7.21
1857	8.40	8.07	8.28
1949	5.91	6.17	5.63
1954	6.54	6.14	6.63
1967	6.70	6.65	6.41

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORCE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	8	37050	403	7435	2.24	-0.08	2.32	-0.11	2.21	0	1960
1530A5	8	37050	462	1866	2.90	.03	2.87	-0.15	2.72	0	1961
1530A5	8	37050	473	1353	2.22	.01	2.21	-0.04	2.17	0	1962
1530A5	8	37050	502	1805	.39	.05	.34	-0.11	.23	0	1963
1530A5	8	36500	525	1054	6.14	-0.80	6.94	-0.31	5.63	0	1964
1530A5	8	36500	529	1059	-1.97	-1.33	-0.64	-0.15	-0.75	0	1965
1530A5	8	36500	523	1130	-1.69	-1.74	.05	.18	.23	0	1966
1530A5	8	36500	523	1280	6.65	-0.05	6.70	-0.29	6.41	0	1967
1530A5	8	36500	355	2247	2.54	-0.06	2.50	-0.05	2.55	8	1968
1530A5	8	44442	190	438	.07	-0.24	.31	.18	.48	0	2001
1530A5	8	44442	211	426	-0.05	-0.08	.03	.04	.07	0	2002
1530A5	8	43640	324	5160	2.12	.05	2.07	.07	2.14	0	2003
1530A5	8	43640	432	2633	3.41	.04	3.37	-0.01	3.36	0	2004
1530A5	8	43640	461	1372	4.02	.12	3.90	-0.06	3.84	0	2005
1530A5	8	43640	316	6368	-0.36	-0.50	.14	.25	.39	0	2006
1530A5	8	43640	288	7416	.03	.17	-0.14	.01	-0.12	0	2007
1530A5	8	43400	209	10129	.37	.12	.25	.12	.37	0	2008
1530A5	8	43400	222	1084	.32	.09	.23	.13	.36	0	2009
1530A5	8	43400	201	8603	2.26	.03	2.23	.05	2.22	0	2010
1530A5	8	43400	371	5381	3.74	.07	3.67	.08	3.75	0	2011
1530A5	8	43400	472	388	-0.10	-0.30	.20	-0.39	-0.18	0	2012
1530A5	8	43400	469	923	6.09	.05	6.04	-0.01	6.03	0	2013
1530A5	8	43400	405	2118	2.20	-0.08	2.28	.02	2.30	0	2014
1530A5	8	43400	370	4570	2.86	.01	2.85	-0.01	2.84	0	2015
1530A5	8	43400	357	5110	2.33	.04	2.29	.06	2.35	0	2016
1530A5	8	43400	326	6093	2.53	.07	2.46	.02	2.48	0	2017
1530A5	8	43000	242	6902	1.73	.02	1.71	.42	2.12	0	2018
1530A5	8	43000	260	5889	1.93	-0.09	2.02	.16	2.20	0	2019
1530A5	8	43000	271	5778	2.07	-0.05	2.12	.14	2.26	0	2020
1530A5	8	43100	325	4665	2.97	-0.04	3.01	.06	3.07	0	2021
1530A5	8	43100	370	3556	3.34	.04	3.30	.06	3.36	0	2022
1530A5	8	43000	409	2889	2.32	-0.15	2.47	.13	2.60	0	2023
1530A5	8	43000	467	1845	3.64	-0.15	3.79	-0.04	3.75	0	2024
1530A5	8	43000	501	1293	5.01	.16	4.83	-0.05	4.78	0	2025
1530A5	8	43000	405	350	2.30	.07	2.23	.31	2.54	0	2026
1530A5	8	43000	488	315	1.86	.07	1.79	.22	2.01	0	2027
1530A5	8	43000	510	351	5.91	.22	5.73	.22	5.61	0	2028
1530A5	8	43000	546	1708	-1.61	-1.15	-0.46	.46	0	0	2029
1530A5	8	43000	462	4119	.46	-4.52	4.98	.63	5.61	0	2030
1530A5	8	43000	400	6806	-0.14	-4.52	4.36	.32	4.69	0	2031
1530A5	8	43000	363	7523	1.08	-1.50	2.98	-0.61	2.37	0	2032
1530A5	8	43000	313	5208	-0.44	.25	-0.69	.04	-0.65	8	2033
1530A5	8	43000	294	9553	.40	.12	.28	.03	.31	0	2034
1530A5	8	43000	266	10269	1.67	-0.03	1.90	.16	2.06	0	2035
1530A5	8	43000	273	10660						0	2036
1530A5	8	43000								0	2037

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GRCS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE.	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFI/CG)	NZ AFT	MANLEVER CODE	SEQUENCE NUMBER
153045	9	43000	285	10015	2.13	.03	2.10	.05	2.15	0	2038
153045	9	42550	330	7264	2.96	.02	2.94	.04	2.98	0	2039
153045	9	42550	337	6227	2.26	.01	2.25	.035	2.60	0	2040
153045	9	42550	269	3670	2.10	.05	2.05	.15	2.24	0	2041
153045	9	42550	261	3723	2.13	-.05	2.16	.41	2.57	0	2042
153045	9	42550	266	3683	1.99	.11	1.88	.14	2.02	0	2043
153045	9	42550	279	3676	2.01	-.04	2.05	.06	2.11	0	2044
153045	9	42550	306	3596	2.36	-.01	2.37	.02	2.35	0	2045
153045	9	42550	320	3554	2.42	.06	2.36	.11	2.47	0	2046
153045	9	42550	327	3434	2.85	.0	2.85	.07	2.92	0	2047
153045	9	42550	337	3008	.73	.26	.37	.27	.64	0	2048
153045	9	42550	375	2470	2.36	.07	2.29	.05	2.28	0	2049
153045	9	42550	389	2204	2.84	.15	2.69	.32	3.01	0	2050
153045	9	42550	410	1581	2.79	.02	2.77	.12	2.89	0	2051
153045	9	42550	410	790	1.97	-.03	2.00	.03	2.03	0	2052
153045	9	42550	415	677	2.41	-.03	2.44	.01	2.45	0	2053
153045	9	42550	418	557	2.13	.06	2.07	.14	2.21	0	2054
153045	9	42550	430	494	.47	.03	.44	.05	.49	0	2055
153045	9	42550	465	411	-.016	.09	-.025	.16	-.019	0	2056
153045	9	42550	491	314	.58	.15	.43	.08	.51	0	2057
153045	9	42550	442	1744	4.94	.12	4.82	.27	4.73	0	2058
153045	9	42150	252	6539	1.93	.07	1.86	.21	2.13	0	2059
153045	9	42150	268	6097	-.054	-.07	-.036	.21	-.015	0	2060
153045	9	42150	274	5735	.07	-.023	.30	.02	.32	0	2061
153045	9	42150	367	3472	2.80	.06	2.74	.05	2.75	0	2062
153045	9	42150	384	2824	2.11	.05	2.06	.11	2.17	0	2063
153045	9	42150	393	2554	2.04	.05	1.99	.12	2.11	0	2064
153045	9	42150	403	2240	1.54	.07	1.87	.16	2.03	0	2065
153045	9	42150	471	475	3.48	.09	2.39	.02	3.42	0	2066
153045	9	42150	457	572	6.19	.06	6.13	.07	6.20	0	2067
153045	9	42150	429	1377	1.61	-.023	1.64	.61	2.25	0	2068
153045	9	42150	395	3082	2.48	-.06	2.54	.02	2.57	0	2069
153045	9	42150	354	3795	2.7	.05	2.89	.03	2.92	0	2070
153045	9	42150	321	4146	2.7	.03	2.18	.04	2.22	0	2071
153045	9	42150	300	4493	2.36	.01	2.35	.05	2.40	0	2072
153045	9	42150	280	4629	2.09	.04	2.05	.14	2.15	0	2073
153045	9	42150	269	4798	1.98	.02	1.96	.10	2.06	0	2074
153045	9	41650	266	6456	.32	.13	.19	.17	.36	0	2075
153045	9	41650	272	6667	.29	.15	.14	.16	.30	0	2076
153045	9	41650	296	6017	.50	.13	.37	.13	.50	0	2077
153045	9	41650	308	5851	1.80	-.016	1.96	.12	2.08	0	2078
153045	9	41650	324	5495	2.09	.04	2.05	.08	2.13	0	2079
153045	9	41650	355	4031	.31	.24	.07	-.05	.02	0	2080
153045	9	41650	365	3421	1.77	-.015	1.96	.16	2.12	0	2081
153045	9	41650	377	3067	2.96	-.02	2.98	.11	3.09	0	2082



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BURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	5	4150	440	1272	4.04	.08	3.96	-0.04	3.92	0	2003
153045	5	4150	477	448	1.44	-0.06	1.94	.17	2.11	0	2004
153045	5	4150	489	473	.43	.17	.26	-0.04	.22	0	2005
153045	9	4150	490	460	-0.57	.36	-0.93	.02	-0.85	0	2006
153045	5	4150	404	400	2.01	-0.06	2.07	.14	2.21	0	2007
153045	5	4150	512	351	1.98	-0.01	1.99	.18	2.17	0	2008
153045	5	4150	517	351	2.04	-0.30	3.47	1.14	4.61	0	2009
153045	5	4150	518	411	-2.33	-0.04	-2.29	-0.47	-2.76	0	2090
153045	5	4150	530	459	2.01	-0.70	2.71	-0.06	2.65	0	2091
153045	5	4150	546	422	2.07	-0.26	2.33	-0.27	2.06	0	2092
153045	5	4150	545	557	6.63	-0.14	6.71	.41	7.12	0	2093
153045	5	4150	375	2127	.50	-0.05	.59	-0.18	.41	0	2094
153045	5	4150	367	2140	2.45	.10	2.75	0	2.75	0	2095
153045	5	4150	341	4303	2.94	.12	2.86	.10	2.96	0	2096
153045	5	4150	326	4862	2.85	-0.05	2.90	-0.03	2.87	0	2097
153045	5	4150	317	6001	2.32	.05	2.27	.05	2.36	0	2098
153045	5	4150	266	6651	2.10	.08	2.02	.20	2.22	0	2099
153045	5	4150	286	6200	1.96	.02	1.94	.13	2.07	0	2100
153045	5	4150	308	5717	1.89	-0.05	1.94	.11	2.05	0	2101
153045	5	4150	325	5043	1.99	0	1.99	.04	2.07	0	2102
153045	5	4150	350	4098	3.10	.11	2.99	.05	3.08	0	2103
153045	5	4150	378	3061	2.29	-0.11	3.40	-0.02	3.38	0	2104
153045	5	4150	423	1099	4.02	.05	3.97	.02	3.95	0	2105
153045	5	4150	422	424	2.44	-0.04	2.48	-0.01	2.47	0	2106
153045	5	4150	526	389	.53	.12	.40	.01	.41	0	2107
153045	5	4150	525	500	5.42	-0.46	5.88	-0.01	5.87	0	2108
153045	5	4150	525	439	-1.07	.05	-1.16	-0.42	-1.59	0	2109
153045	5	4150	530	549	-2.01	-0.54	-1.47	-0.21	-1.68	0	2110
153045	5	4150	544	437	-0.72	.15	-0.47	-0.22	-0.80	0	2111
153045	5	4150	546	422	.26	.20	.06	.24	.30	0	2112
153045	5	4150	556	409	4.54	-0.08	4.62	-0.02	4.59	0	2113
153045	5	4150	521	517	6.67	.25	6.42	-0.11	6.31	0	2114
153045	5	4150	380	2173	.27	-0.07	.34	-0.02	.31	0	2115
153045	5	4150	337	4694	2.12	.04	2.04	.01	2.05	0	2116
153045	5	4150	327	4999	2.12	.06	2.06	.05	2.11	0	2117
153045	5	4150	325	5099	2.24	.06	2.18	.04	2.22	0	2118
153045	5	4150	326	5268	2.56	.07	2.49	.04	2.53	0	2119
153045	5	4150	310	6042	2.34	.03	2.31	-0.02	2.28	0	2120
153045	5	4150	304	7245	2.48	.03	2.45	.06	2.51	0	2121
153045	5	4060	209	8201	2.04	0	2.04	.02	2.07	0	2122
153045	5	4060	301	8276	.36	.18	.18	.10	.28	0	2123
153045	5	4060	304	8224	1.05	.07	1.08	.10	2.06	0	2124
153045	5	4060	297	8462	2.21	-0.02	2.23	.05	2.32	0	2125
153045	5	4060	280	8217	.39	-0.27	.66	.08	.74	0	2126
153045	5	4060	266	8089	1.88	-0.04	1.92	.16	2.08	0	2127

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, S/S (KNOTS)	ALTITUDE	NZ CORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	AZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153005	9	4000	335	7337	3.10	.02	3.07	.12	3.20	0	2120
153005	9	4000	384	5517	3.68	.03	3.65	-0.02	3.83	0	2129
153005	9	4000	432	4556	2.93	-0.33	3.26	-0.05	3.17	0	2130
153005	9	4000	511	2824	5.34	-0.11	5.45	-0.16	5.29	0	2131
153005	9	4000	551	757	2.66	.10	2.56	.40	2.98	0	2132
153005	9	4000	545	560	2.37	0	2.37	.26	2.63	0	2133
153005	9	4000	537	524	2.02	-0.16	2.18	-0.01	2.17	0	2134
153005	9	4000	530	474	2.37	.02	2.35	.31	2.66	0	2135
153005	9	4000	533	487	.40	.11	.29	.02	.31	0	2136
153005	9	4000	543	594	7.71	-0.25	7.96	-0.54	7.42	0	2137
153005	9	4000	542	438	-1.33	-1.50	.17	.51	.82	0	2138
153005	9	4000	540	474	1.13	-1.84	2.97	.70	3.67	0	2139
153005	9	4000	530	509	.62	-1.93	2.55	.62	3.17	0	2140
153005	9	4000	535	509	.44	-2.14	2.58	.62	3.21	0	2141
153005	9	4000	529	523	-0.16	-2.06	1.90	.37	2.27	0	2142
153005	9	4000	539	519	.79	.04	.75	-0.91	-0.16	0	2143
153005	9	4000	544	532	1.94	0	1.94	.12	2.06	0	2144
153005	9	4000	550	498	1.94	-0.08	2.02	.03	2.08	0	2145
153005	9	4000	548	434	.31	-0.07	.38	.56	.94	0	2146
153005	9	4000	552	883	7.37	.10	7.27	-0.12	7.15	0	2147
153005	9	4000	455	3358	2.17	0	2.17	.08	2.25	0	2148
153005	9	4000	420	4393	3.50	.07	3.43	-0.01	3.42	0	2149
153005	9	4000	378	5061	2.22	.04	2.18	.02	2.21	0	2150
153005	9	4000	360	5476	2.74	-0.08	2.82	-0.02	2.79	0	2151
153005	9	4000	333	5745	1.97	.03	1.94	.22	2.16	0	2152
153005	9	4000	319	5786	2.51	-0.01	2.52	.08	2.60	0	2153
153005	9	4000	300	5708	2.21	.03	2.18	.06	2.12	0	2154
153005	9	4000	259	6226	2.02	-0.01	2.03	.20	2.23	0	2155
153005	9	4000	266	6215	1.79	-0.06	1.85	.16	2.02	0	2156
153005	9	4000	269	6169	1.85	-0.10	1.95	.09	2.04	0	2157
153005	9	4000	306	5931	2.86	.06	2.80	.33	3.13	0	2158
153005	9	4000	325	4836	.59	.12	.47	.11	.58	0	2159
153005	9	4000	345	4586	2.54	-0.16	2.70	.18	2.88	0	2160
153005	9	4000	383	3598	1.72	-0.11	1.83	.22	2.05	0	2161
153005	9	4000	382	3066	3.19	.02	3.17	.07	3.24	0	2162
153005	9	4000	390	1933	3.57	.03	3.54	.05	3.62	0	2163
153005	9	4000	304	1341	3.34	-0.06	3.40	.05	3.45	0	2164
153005	9	4000	302	1047	3.88	.17	3.71	.09	3.80	0	2165
153005	9	4000	518	389	1.81	-0.10	1.91	.16	2.09	0	2166
153005	9	4000	526	401	.53	.15	.38	.03	.41	0	2167
153005	9	4000	524	651	6.72	-0.54	7.26	.25	7.51	0	2168
153005	9	4000	525	474	-1.30	-0.45	-0.85	-0.36	-1.21	0	2169
153005	9	4000	534	643	-0.70	.04	-0.74	.17	-0.57	0	2170
153005	9	4000	540	522	-0.57	-0.05	-0.52	-0.61	-1.12	0	2171
153005	9	4000	549	779	2.40	-0.09	2.49	.25	2.78	0	2172

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BURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	HANUEVER CODE	SEQUENCE NUMBER
153095	0	40050	420	2473	2.94	.09	2.85	.10	0	2173
153095	0	40050	422	2486	1.95	-0.04	1.99	.06	0	2174
153095	0	40050	412	2546	.54	.11	.47	.12	0	2175
153095	0	39550	395	4399	2.11	.06	2.05	.10	0	2176
153095	0	39550	312	5122	2.28	.08	2.20	.06	0	2177
153095	0	39550	313	5212	1.75	-0.09	1.84	.24	0	2178
153095	0	39550	313	4757	.56	.22	.34	.24	0	2179
153095	0	39550	362	4571	2.55	.03	2.52	.02	0	2180
153095	0	39550	370	4331	2.73	.02	2.71	.02	0	2181
153095	0	39550	418	7222	3.54	0	3.54	.06	0	2182
153095	0	39550	452	2096	4.33	.13	4.20	-0.05	0	2183
153095	0	39550	451	1160	2.48	.07	2.41	.12	0	2184
153095	0	39550	450	254	2.52	.03	2.49	.06	0	2185
153095	0	39550	452	651	2.47	.05	2.42	.06	0	2186
153095	0	39700	400	739	6.09	-0.24	6.33	.30	0	2187
153095	0	39700	475	679	-1.64	-0.14	-1.50	-0.02	0	2188
153095	0	39700	470	544	-0.36	.08	-0.44	.04	0	2189
153095	0	39700	470	520	2.14	-0.24	3.42	.04	0	2190
153095	0	39700	402	434	.42	-0.23	.65	-0.45	0	2191
153095	0	39700	404	794	7.24	.05	7.19	-0.03	0	2192
153095	0	39700	406	800	4.84	.14	4.70	.02	0	2193
153095	0	39700	412	1294	3.02	.05	2.97	.02	0	2194
153095	0	39700	346	3125	2.56	-0.03	2.59	.01	0	2195
153095	0	39700	312	4444	2.70	.04	2.66	.05	0	2196
153095	0	39700	301	5049	2.64	.01	2.63	.10	0	2197
153095	0	39700	265	6040	1.77	-0.02	1.79	.04	0	2198
153095	0	39850	342	6214	2.08	-0.22	3.20	.04	0	2200
153095	0	39850	446	3575	4.56	.13	4.43	.04	0	2201
153095	0	39850	460	1418	4.88	.07	4.81	.04	0	2202
153095	0	39850	462	531	-0.19	.12	-0.30	.14	0	2203
153095	0	39850	482	398	.55	.11	.44	.11	0	2204
153095	0	39850	502	1182	4.97	.22	4.75	-0.11	0	2205
153095	0	39850	281	8218	-0.80	.09	-0.89	.15	0	2206
153095	0	39850	404	1852	4.45	.06	4.39	-0.01	0	2207
153095	0	39850	457	570	-0.36	-0.19	-0.27	-0.16	0	2208
153095	0	39850	457	1072	6.67	.20	6.37	-0.04	0	2209
153095	0	39850	392	2676	4.20	.04	4.16	-0.19	0	2210
153095	0	39850	352	4453	3.04	.03	3.01	-0.02	0	2211
153095	0	39850	324	5029	2.50	-0.10	2.60	-0.07	0	2212
153095	0	39850	324	5486	2.26	-0.11	2.37	-0.05	0	2213
153095	0	39850	287	7354	.32	.06	.26	.05	0	2214
153095	0	39850	274	7770	2.18	0	2.38	.25	0	2215
153095	0	39850	274	7482	2.55	-0.08	2.63	.24	0	2216
153095	0	39850	211	5702	1.27	.03	1.24	.14	0	2217

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	N2 FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
153095	0	30050	220	5118	.09	.06	.93	.15	.22	0	2218
153095	0	30050	241	3619	2.05	.05	2.00	.20	2.20	0	2219
153095	0	30050	374	1172	3.61	.08	3.53	-0.06	3.47	0	2220
153095	0	30050	415	544	2.37	-0.15	2.52	-0.16	2.36	0	2221
153095	0	30050	574	605	-0.48	.33	-0.81	.09	-0.72	0	2222
153095	0	30050	556	593	2.13	.01	2.12	.14	2.26	0	2223
153095	0	30050	540	569	.52	.03	.49	-0.01	.42	0	2224
153095	0	30050	541	581	2.12	-0.25	2.37	-0.01	2.36	0	2225
153095	0	30050	408	538	3.17	.29	2.88	.07	2.95	0	2226
153095	0	30050	471	1235	4.30	.10	4.20	-0.21	3.99	0	2227
153095	0	30050	420	1549	3.44	.12	3.32	.18	3.50	0	2228
153095	0	30050	360	2545	2.91	.07	2.84	.06	2.90	0	2229
153095	0	30050	404	2472	2.43	.04	2.39	.08	2.47	0	2230
153095	0	30050	422	2750	.42	.05	.37	.12	.45	0	2231
153095	0	30050	465	2086	2.74	0	2.74	-0.01	2.73	0	2232
153095	0	30050	464	1791	2.82	.02	2.80	.08	2.89	0	2233
153095	0	30050	402	2633	2.77	.05	2.72	.05	2.81	0	2234
153095	0	30050	270	6223	.54	.12	.42	.08	.50	0	2235
153095	0	30050	224	6241	.58	.10	.48	.03	.51	0	2236
153095	0	30050	374	6202	2.69	-0.01	2.70	.06	2.76	0	2237
153095	0	30050	401	1591	4.44	-0.06	4.40	-0.04	4.42	0	2238
153095	0	30050	407	4248	3.71	0	3.71	0	3.79	0	2239
153095	0	30050	227	7416	.45	.12	.34	.10	.44	0	2240
153095	0	30050	342	4298	2.87	.03	2.84	.05	2.89	0	2241
153095	0	30050	295	4229	.40	.32	.08	.10	.18	0	2242
153095	0	30050	374	3051	2.78	-0.08	2.86	.15	3.01	0	2243
153095	0	30050	427	421	3.26	.03	3.23	-0.10	3.12	0	2244
153095	0	30050	318	4284	.33	.25	.08	.06	.14	0	2245
153095	0	30050	373	5158	2.94	.10	2.84	.08	2.92	0	2246
153095	0	30050	480	1452	2.91	.01	2.90	.17	3.07	0	2247
153095	0	30050	437	1704	6.47	-0.07	6.54	.25	6.79	0	2248
153095	0	30050	268	1591	2.42	.03	2.39	.06	2.45	0	2249
153095	0	30050	285	789	2.40	.06	2.34	.12	2.46	0	2250
153095	0	30050	264	672	.54	.16	.38	.12	.50	0	2251
153095	0	30050	314	792	2.65	.12	2.56	.05	2.65	0	2252
153095	0	30050	136	7066	-0.06	.05	-0.11	.16	.05	0	2253
153095	0	30050	306	3259	3.45	.12	3.40	.02	3.42	0	2254
153095	0	30050	312	576	2.89	.12	2.77	.07	2.84	0	2255
153095	0	30050	202	670	.45	.15	.30	.04	.26	0	2256
153095	0	30050	326	2439	2.48	.14	2.34	.20	2.54	0	2257
153095	0	30050	326	2051	2.49	.06	2.43	.02	2.46	0	2258
153095	0	30050	251	4864	.30	.04	.26	.12	.38	0	2259
153095	0	30050	441	1433	3.13	-0.23	3.36	-0.25	3.11	0	2260

# ACCELEROMETER DATA

A/C SER.NO. 153085 FLT.NO. 5 DATE 5/15/70 FLT.TIME .58PRS.

6.0G 7.0G 8.5G 10.0G

COUNTS BEFORE FLT

552P 5561 9535 5302

COUNTS AFTER FLT

9542 9560 9536 5303

DIFFERENCE

14 7 1 0

CG ACCEL.

16 7 1 0

FORE ACCEL.

16 5 1 0

AFT ACCEL.

16 7 1 0

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NADC-72021 VT

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
2113	6.04	6.09	6.02
2029	5.72	5.91	5.52
2067	6.13	6.19	6.20
2053	6.71	6.63	7.12
2108	5.88	5.42	5.87
2114	6.42	6.67	6.21
2127	7.86	7.71	7.42
2147	7.27	7.37	7.15
2158	7.26	6.72	7.51
2172	8.45	8.40	8.78
2187	6.32	6.09	6.63
2192	7.16	7.24	7.16
2193	7.18	7.24	7.15
2209	6.27	6.67	6.22
2251	6.54	6.47	6.75
2266	6.85	6.59	6.75
2268	6.10	6.66	6.35

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BURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (ANOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	9	34400	503	661	.55	.17	.38	.18	.56	0	2264
1530A5	9	34400	517	650	.09	.14	-0.05	.02	.02	0	2265
1530A5	9	34400	547	739	6.59	-0.26	6.85	-0.10	6.75	0	2266
1530A5	9	34400	540	643	-1.81	-1.16	-0.65	.03	-0.62	0	2267
1530A5	9	34400	518	1051	6.66	.56	6.10	.25	6.35	0	2268
1530A5	10	44742	232	437	.38	.16	.22	-0.02	.20	0	1269
1530A5	10	44742	265	620	2.49	.09	2.80	.03	2.83	0	1270
1530A5	10	44742	319	857	2.47	.04	2.43	.03	2.46	0	1271
1530A5	10	44170	288	1252	2.26	.04	2.22	.02	2.30	0	1272
1530A5	10	43650	450	705	2.96	-0.04	3.00	.05	3.05	0	1273
1530A5	10	43650	476	617	.22	.11	.11	.03	.14	0	1274
1530A5	10	43650	486	569	2.88	.01	2.87	.05	2.92	0	1275
1530A5	10	43650	408	524	-1.47	.16	-0.63	.14	-0.49	0	1276
1530A5	10	43650	400	498	2.21	-0.08	2.29	.25	2.54	0	1277
1530A5	10	43650	512	450	.31	.26	.05	.05	.10	0	1278
1530A5	10	43650	510	309	2.11	.04	2.07	.18	2.23	0	1279
1530A5	10	43650	522	422	3.86	-1.22	5.08	.16	5.24	0	1280
1530A5	10	43650	522	596	-2.27	-0.03	-2.20	-0.45	-2.65	0	1281
1530A5	10	43650	541	475	1.98	-0.75	2.73	.67	2.63	0	1282
1530A5	10	43650	574	585	5.54	-0.17	5.71	.14	6.38	0	1283
1530A5	10	43650	387	1270	4.22	.06	4.16	-0.04	4.12	0	1284
1530A5	10	43100	320	1598	2.20	.03	2.17	-0.04	2.13	0	1285
1530A5	10	43100	348	1558	.75	.07	.28	.16	.44	0	1286
1530A5	10	43100	301	1111	3.86	-0.08	3.94	-0.28	3.66	0	1287
1530A5	10	43100	427	1256	-1.59	-0.12	-0.47	.06	-0.41	0	1288
1530A5	10	43100	453	1461	4.45	.05	4.40	.04	4.44	0	1289
1530A5	10	42400	505	608	3.24	-0.08	3.32	-0.06	3.26	0	1290
1530A5	10	42400	527	445	.45	.06	.37	.05	.42	0	1291
1530A5	10	42400	540	745	7.39	-1.56	7.95	.42	8.37	0	1292
1530A5	10	42400	526	715	-1.34	-0.24	-1.14	.02	-1.12	0	1293
1530A5	10	42400	527	801	.81	-0.58	1.39	.97	2.36	0	1294
1530A5	10	42400	524	797	-1.22	.19	-1.41	-0.28	-1.69	0	1295
1530A5	10	42400	538	745	7.20	-0.14	7.34	.16	7.53	0	1296
1530A5	10	42400	446	1026	.28	.25	.03	.14	.17	0	1297
1530A5	10	42400	372	1349	3.09	.01	3.08	-0.06	3.02	0	1298
1530A5	10	42400	331	1222	2.77	.04	2.73	0	2.73	0	1299
1530A5	10	42400	347	1024	2.47	-0.11	2.58	-0.04	2.54	0	1300
1530A5	10	42400	398	740	2.18	.02	2.16	.15	2.35	0	1301
1530A5	10	42400	507	556	-0.02	.15	-0.17	.20	.02	0	1302
1530A5	10	42400	515	496	2.32	.02	2.30	-0.03	2.27	0	1303
1530A5	10	42400	517	507	-0.41	.10	-0.51	.10	-0.41	0	1304
1530A5	10	42400	526	472	2.61	.02	2.59	.21	2.80	0	1305
1530A5	10	42400	532	459	.55	.03	.52	.16	.68	0	1306
1530A5	10	42400	538	586	8.08	-0.20	8.28	1.04	9.22	0	1307
1530A5	10	42400	524	617	-2.22	-1.03	-1.19	.35	-0.84	0	1308

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	10	42250	521	554	.14	-0.90	1.04	1.99	3.03	0	1309
153045	10	42250	513	601	-2.23	-1.14	-1.09	.02	-1.01	0	1310
153045	10	42250	525	604	2.02	-0.02	2.10	.06	2.18	0	1311
153045	10	42250	526	617	-0.56	-0.05	-0.51	-0.35	-0.50	0	1312
153045	10	42250	571	705	6.41	.02	6.09	-0.10	5.99	0	1313
153045	10	42250	504	918	3.10	.12	3.21	-0.07	6.22	0	1314
153045	10	42250	444	1042	2.49	-0.11	2.90	-0.02	2.18	0	1315
153045	10	42250	400	1066	2.71	-0.01	2.86	-0.07	2.57	0	1316
153045	10	42250	366	1401	2.11	-0.15	2.02	-0.07	2.75	0	1317
153045	10	41750	325	1621	2.01	.09	2.02	-0.01	2.14	0	1318
153045	10	41750	324	1691	2.07	-0.01	2.10	.12	2.01	0	1319
153045	10	41750	315	1273	.62	-0.03	.49	.14	2.24	0	1320
153045	10	41750	371	1211	3.28	.13	3.31	.18	.67	0	1321
153045	10	41750	414	1026	.43	-0.02	.23	-0.02	3.22	0	1322
153045	10	41750	407	865	2.89	.20	2.84	.05	.26	0	1323
153045	10	41750	466	703	.30	.05	.12	-0.06	2.78	0	1324
153045	10	41750	478	662	2.86	.18	2.86	.07	.19	0	1325
153045	10	41750	464	704	.33	0	.12	-0.12	2.74	0	1326
153045	10	41750	475	646	1.06	.18	1.23	.12	.24	0	1327
153045	10	41750	408	550	3.99	-0.07	3.95	.05	2.08	0	1328
153045	10	41250	556	922	-1.55	-0.28	-1.27	.64	8.92	0	1329
153045	10	41250	546	546	-0.84	-0.44	-0.40	.27	-1.00	0	1330
153045	10	41250	554	628	3.72	-0.14	3.46	-0.51	-0.91	0	1331
153045	10	41250	556	586	4.67	.04	4.56	1.07	4.52	0	1332
153045	10	41250	561	476	1.64	-0.12	1.76	-0.10	4.46	0	1333
153045	10	41250	567	414	7.50	-0.42	7.92	-0.02	1.68	0	1334
153045	10	41250	497	775	5.22	.06	5.16	-0.65	7.27	0	1335
153045	10	41250	464	1255	.32	-0.04	.36	-0.24	4.92	0	1336
153045	10	41250	441	1173	3.67	.01	3.66	-0.12	.23	0	1337
153045	10	41250	411	1231	3.99	-0.01	3.99	-0.05	3.61	0	1338
153045	10	41250	381	1438	3.90	-0.05	3.95	-0.11	3.88	0	1339
153045	10	40810	314	1522	.50	.18	.32	-0.02	3.93	0	1340
153045	10	40810	352	1535	3.26	-0.03	3.29	.20	.52	0	1341
153045	10	40810	366	1704	3.57	-0.07	3.64	-0.04	3.25	0	1342
153045	10	40810	478	524	.39	.13	.26	-0.03	3.61	0	1343
153045	10	40810	483	510	2.58	-0.05	2.63	.10	.36	0	1344
153045	10	40810	479	598	-0.78	.32	-1.10	-0.02	2.60	0	1345
153045	10	40810	406	477	2.56	.03	2.53	.33	-0.77	0	1346
153045	10	40810	501	798	6.52	-0.50	7.02	.06	2.59	0	1347
153045	10	40810	497	783	-1.94	.02	-1.96	.26	7.28	0	1348
153045	10	40810	493	527	1.92	-0.02	2.00	.04	-1.92	0	1349
153045	10	40810	493	597	7.32	.05	7.27	.70	2.70	0	1350
153045	10	40810	376	1573	.30	-0.02	.32	-0.02	7.12	0	1351
153045	10	40810	372	1596	3.01	0	3.01	0	.30	0	1352
153045	10	40810	372	1596	3.01	0	3.01	0	3.01	0	1353

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	10	40700	354	1537	2.52	0	2.52	.03	2.55	0	1354
1530A5	10	40200	295	1166	.50	.02	.48	.09	.57	0	1355
1530A5	10	40700	295	1122	.57	.00	.48	.11	.59	0	1356
1530A5	10	40700	344	1147	2.77	.04	2.73	.17	2.90	0	1357
1530A5	10	40200	390	542	3.79	.11	3.68	-.06	3.62	0	1358
1530A5	10	39800	404	852	-0.04	.13	-0.17	.17	0	0	1360
1530A5	10	39800	410	872	2.11	.05	2.06	.03	2.09	0	1361
1530A5	10	39800	390	773	.32	.05	.27	.07	.34	0	1362
1530A5	10	39800	400	683	2.44	-.07	2.51	.04	2.55	0	1363
1530A5	10	39800	414	608	2.17	.08	2.09	.09	2.12	0	1364
1530A5	10	39800	453	475	2.09	.04	2.05	.07	2.12	0	1365
1530A5	10	39800	450	523	.56	.04	.52	.03	.55	0	1366
1530A5	10	39800	417	1102	4.65	.11	4.54	-.02	4.51	0	1367
1530A5	10	39800	391	1047	.54	.03	.51	.10	.61	0	1368
1530A5	10	39800	359	1122	2.05	.03	2.02	.09	2.07	0	1369
1530A5	10	39800	378	1207	1.97	-.05	2.02	.08	2.10	0	1370
1530A5	10	39800	356	1478	1.95	-.01	1.96	.02	1.99	0	1371
1530A5	10	39250	358	1473	2.02	.01	2.01	.10	2.11	0	1372
1530A5	10	39250	327	1370	.69	.19	.50	.14	.64	0	1373
1530A5	10	39250	326	1397	.49	.06	.43	.11	.52	0	1374
1530A5	10	39250	343	1125	3.15	.09	3.06	.11	3.17	0	1375
1530A5	10	39250	357	1058	2.70	-.09	2.81	.24	3.09	0	1376
1530A5	10	39250	365	1289	2.99	-.11	2.94	.07	3.01	0	1377
1530A5	10	39250	376	1405	.02	.0	.02	.11	.13	0	1378
1530A5	10	39250	376	1397	.55	.13	.42	.07	.49	0	1379
1530A5	10	39250	374	1379	1.89	-.02	1.91	.11	2.02	0	1380
1530A5	10	39250	362	1518	3.67	.09	3.48	-.06	3.42	0	1381
1530A5	10	39250	350	1240	-0.08	.24	-0.32	.13	-0.19	0	1382
1530A5	10	38750	362	1111	.41	.04	.37	.18	.55	0	1383
1530A5	10	38750	392	1033	2.06	-.01	2.07	-.12	2.09	0	1384
1530A5	10	38750	391	837	2.58	.21	2.37	0	2.37	0	1385
1530A5	10	38750	385	830	1.71	.08	1.63	.07	1.70	0	1386
1530A5	10	38750	395	784	2.02	-.05	2.07	-.06	2.01	0	1387
1530A5	10	38750	404	764	2.32	.11	2.21	.18	2.39	0	1388
1530A5	10	38750	402	501	.46	-.02	.48	.02	.51	0	1389
1530A5	10	38750	350	1206	2.31	.13	2.18	.12	2.30	0	1390
1530A5	10	38750	330	1514	2.88	.12	2.75	.06	2.81	0	1391
1530A5	10	38750	350	1598	3.38	.08	3.30	0	3.30	0	1392
1530A5	10	38750	381	1083	.60	.09	.52	.06	.58	0	1393
1530A5	10	38750	395	869	1.84	.03	1.81	.17	1.98	0	1394
1530A5	10	38750	389	1099	4.42	.03	4.39	.12	4.51	0	1395
1530A5	10	38250	360	850	.56	0	.56	.08	.64	0	1396
1530A5	10	38250	352	1196	2.94	.07	2.87	.23	3.20	0	1397
1530A5	10	38250	380	860	3.21	.04	3.17	-.05	3.12	0	1398
1530A5	10	38250	324	874	.62	.05	.57	.07	.64	0	1399



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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCFE	NZ DIFF. (FCFE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153095	10	78250	327	618	2.11	.04	2.07	.19	2.26	0	1400
153095	10	78250	452	589	1.97	-0.07	2.04	.0	2.04	0	1401
153095	10	77700	542	545	1.91	-0.02	1.93	.05	1.93	0	1402
153095	10	77700	542	531	.44	.16	.25	.06	.31	0	1403
153095	10	77720	577	521	3.03	-0.01	3.01	.02	3.12	0	1404
153095	10	77700	577	504	.16	.32	-0.16	.02	-0.07	0	1405
153095	10	77700	522	1066	6.09	.15	6.20	-0.02	6.72	0	1406
153095	10	77700	408	1613	4.08	-0.02	4.10	-0.15	3.55	0	1407
153095	10	77700	478	792	.04	.12	-0.08	.13	.55	0	1408
153095	10	77700	472	775	2.25	.07	2.18	.06	2.34	0	1409
153095	10	77700	464	609	2.24	-0.04	2.28	.05	2.37	0	1410
153095	10	77700	418	1079	.53	.10	.43	-0.02	.40	0	1411
153095	10	77700	348	1950	.43	.05	.38	.01	.39	0	1412
153095	10	77700	327	1811	2.27	-0.07	2.34	-0.06	2.28	0	1413
153095	10	77700	316	1816	.59	.26	.32	.22	.54	0	1414
153095	10	77700	307	1747	2.49	-0.15	2.68	.02	2.71	0	1415
153095	10	77200	301	1410	.57	.15	.42	.04	.46	0	1416
153095	10	76500	306	553	.64	.10	.45	.04	.45	0	1417
153095	10	76450	207	1406	1.96	-0.02	1.98	.02	2.06	0	1418
153095	10	76150	284	584	2.39	-0.11	2.50	.04	2.54	0	1419
153095	10	76150	348	1511	3.44	.13	3.11	.02	3.25	0	1420
153095	10	76150	341	1438	3.44	.16	3.73	-0.05	3.68	0	1421
153095	10	76150	423	1095	.46	.22	.24	.11	.75	0	1422
153095	10	76150	453	1316	4.93	-0.01	4.94	-0.06	4.88	0	1423
153095	10	76150	406	796	2.50	.03	2.47	.05	2.56	0	1424
153095	10	76150	509	712	.71	.14	.57	.05	.52	0	1425
153095	10	75700	542	674	2.99	-0.04	3.59	1.33	4.52	0	1426
153095	10	75700	541	795	-2.35	-0.60	-2.31	.06	-2.25	0	1427
153095	10	75700	532	708	-1.74	.60	-2.34	.12	-2.22	0	1428
153095	10	75700	514	720	2.32	-0.06	2.39	.28	2.67	0	1429
153095	10	75700	511	789	-1.64	.12	-1.76	-0.31	-2.07	0	1430
153095	10	75700	400	777	-0.11	.54	-0.65	-0.45	-1.14	0	1431
153095	10	75700	512	695	7.21	.05	7.12	-0.15	6.93	0	1432
153095	10	75700	466	1185	3.65	-0.06	3.71	.12	3.60	0	1433
153095	10	75700	461	1217	3.41	.05	3.59	.13	3.72	0	1434
153095	10	75700	464	1356	3.41	.07	3.34	.0	3.24	0	1435
153095	10	75700	461	1457	3.47	.13	3.37	.28	3.65	0	1436
153095	10	75700	474	1370	3.47	.06	3.38	.14	3.40	0	1437
153095	10	75700	510	1234	.61	.08	.53	.02	.67	0	1438
153095	10	75150	510	1133	2.02	.04	1.98	.12	2.10	0	1439
153095	10	75150	507	1109	2.00	.01	1.99	.37	2.36	0	1440
153095	10	75150	475	1351	.54	.07	.50	.12	.60	0	1441
153095	10	75150	467	1326	.50	.05	.46	.08	.58	0	1442
153095	10	75150	447	1534	4.82	-0.03	4.86	-0.14	4.72	0	1443
153095	10	75150	524	737	-0.59	.15	-0.77	.05	-0.64	0	1444

# ACCELEROMETER DATA

W/C SER. NO. 153045 FLT. NO. 10 DATE 5/16/70 FLT. TIME 474RS.

6.00 7.00 8.50 10.00

COUNTS BEFORE FLT

9542 9552 9536 9303

COUNTS AFTER FLT

9555 9578 9529 9203

DIFFERENCE

13 10 3 0

CG ACCEL.

12 11 1 0

FORE ACCEL.

12 10 1 0

AFT ACCEL.

14 10 3 0

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SER. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1283	5.71	5.54	6.32
1292	7.95	7.39	8.37
1296	7.34	7.20	7.53
1307	8.28	8.08	8.32
1313	6.03	6.11	5.99
1314	6.29	6.41	6.22
1329	8.28	8.08	8.32
1335	7.52	7.50	7.27
1344	7.07	6.52	7.26
1351	7.27	7.32	7.18
1406	6.80	6.59	6.72
1422	7.12	7.21	6.93
1448	8.59	9.64	7.67
1452	8.13	8.28	8.08

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	AZ FCRE	AZ DIFF. (FCRE-CG)	AZ CG	AZ DIFF. (AZ/CG)	AZ ART	MANUEVER CODE	SEQUENCE NUMBER
1530A5	10	75150	523	710	2.52	-0.02	2.54	.94	2.98	0	1445
1530A5	10	75150	524	649	2.14	.03	2.15	.11	2.26	0	1446
1530A5	10	75150	525	711	.24	.15	.09	.14	.22	0	1447
1530A5	10	75150	548	927	5.64	1.05	8.59	-0.92	7.67	0	1448
1530A5	10	75150	544	746	-1.34	-1.15	-0.15	.08	-0.07	0	1449
1530A5	10	75150	542	772	-0.19	-1.06	.87	1.26	2.12	0	1450
1530A5	10	75150	542	837	-1.54	-1.07	-0.51	.60	.05	0	1451
1530A5	10	75150	541	1086	8.24	.15	8.13	-0.05	2.08	0	1452
1530A5	10	75150	304	1368	.45	.10	.55	.05	.60	0	1453
1530A5	10	75150	288	1447	.52	.07	.45	.09	.54	0	1454
1530A5	10	74650	150	1287	.66	.11	.55	.05	.64	0	1455
1530A5	11	44950	708	2444	.53	.10	.43	.08	.51	0	1001
1530A5	11	44950	708	2197	.48	.12	.35	.10	.45	0	1002
1530A5	11	44950	482	2026	.87	.20	.67	-0.03	.64	0	1003
1530A5	11	44950	700	1939	.37	.01	.36	-0.05	.31	0	1004
1530A5	11	44950	770	1901	.68	.01	.67	.02	.69	0	1005
1530A5	11	44950	454	744	.69	.05	.64	.02	.66	0	1006
1530A5	11	44950	472	1231	4.19	.07	4.12	-0.35	3.72	0	1007
1530A5	11	44950	397	6648	-0.26	-0.26	0	.39	.39	0	1008
1530A5	11	44950	348	6310	3.75	.07	3.28	-0.01	3.27	40	1009
1530A5	11	44950	781	4834	2.54	.04	3.50	-0.19	2.31	40	1010
1530A5	11	44950	412	3362	3.65	.05	3.60	-0.26	3.34	40	1011
1530A5	11	44950	483	427	2.72	.05	3.67	-0.23	3.44	40	1012
1530A5	11	44950	487	724	-0.10	-0.05	-0.14	.12	-0.02	40	1013
1530A5	11	44950	403	650	5.99	-0.01	5.99	-0.14	5.85	40	1014
1530A5	11	43900	780	4618	2.79	.03	3.76	-0.19	3.57	30	1015
1530A5	11	43900	440	2719	7.66	-0.04	7.70	-0.33	3.77	30	1016
1530A5	11	43900	502	619	4.24	.03	4.21	-0.30	3.91	30	1017
1530A5	11	43900	554	61	.69	-0.04	.77	-0.12	.65	30	1018
1530A5	11	43900	520	1042	5.72	.07	5.65	-0.35	5.30	30	1019
1530A5	11	43900	444	4285	-1.85	-1.50	-0.35	.38	.03	30	1020
1530A5	11	43900	406	612	.76	-5.14	5.45	.70	6.15	30	1021
1530A5	11	43900	250	10122	-0.01	.22	-0.24	-0.22	-0.46	20	1022
1530A5	11	43900	363	11674	3.77	-0.02	3.39	-0.08	3.14	0	1023
1530A5	11	43900	701	7551	.17	-0.25	.42	-0.16	.26	0	1024
1530A5	11	43900	360	7524	2.54	-0.22	3.77	-0.09	3.60	0	1025
1530A5	11	43900	372	6404	2.80	.05	3.75	-0.07	3.48	0	1026
1530A5	11	43900	378	5649	3.71	.06	3.65	-0.22	3.42	0	1027
1530A5	11	43900	362	4723	3.57	.01	3.56	-0.11	3.45	0	1028
1530A5	11	43900	350	4486	.59	.10	.49	.01	.50	0	1029
1530A5	11	43900	390	4096	2.74	0	3.74	-0.14	3.60	0	1030
1530A5	11	43900	402	2623	2.84	.05	3.79	-0.22	3.56	0	1031
1530A5	11	43900	452	2215	4.52	.08	4.44	-0.33	4.11	0	1032
1530A5	11	43900	482	1015	7.47	.04	7.43	-0.16	7.27	0	1033

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
152005	11	43500	479	208	3.58	-0.04	2.62	-0.20	3.32	0	1035
152005	11	43500	482	125	.54	.08	.46	.01	.47	0	1036
152005	11	43500	464	1159	4.97	.14	4.83	-0.20	4.67	0	1037
152005	11	43250	294	5629	-0.81	-0.43	-0.38	.10	-0.28	0	1038
152005	11	43250	319	5639	1.01	.36	.65	-0.39	.26	0	1039
152005	11	43250	462	1043	3.31	.06	3.25	-0.23	3.02	38	1040
152005	11	43250	488	463	4.32	.04	4.28	-0.16	4.10	38	1041
152005	11	43250	497	255	-1.01	.05	-1.06	.20	-0.86	36	1042
152005	11	43250	490	607	6.27	-0.16	6.43	-0.23	6.10	38	1043
152005	11	43050	414	4083	3.68	.04	3.64	-0.23	3.41	37	1044
152005	11	43050	452	2641	2.81	-0.13	2.94	-0.26	2.68	37	1045
152005	11	43050	475	2106	.82	.08	.74	-0.07	.67	37	1046
152005	11	43050	405	1646	2.93	.02	2.91	-0.24	2.67	37	1047
152005	11	43050	512	645	4.11	.05	4.06	-0.16	3.90	37	1048
152005	11	43050	526	182	.30	.07	.23	0	.23	37	1049
152005	11	43050	522	134	2.61	-0.47	3.04	1.27	4.31	37	1050
152005	11	43050	520	72	-2.25	-1.57	-0.68	.14	-0.54	37	1051
152005	11	43050	526	123	-1.94	.36	-2.30	-0.25	-2.55	37	1052
152005	11	43050	557	271	.78	0	.78	-0.01	.37	37	1053
152005	11	43050	561	234	-0.25	-0.13	-0.12	-0.40	-0.52	37	1054
152005	11	43050	388	407	7.33	.05	7.28	.22	7.50	37	1055
152005	11	42750	469	4458	.56	.02	.54	0	.54	37	1056
152005	11	42750	469	4284	4.41	.02	4.39	-0.20	4.19	0	1057
152005	11	42750	478	2682	.56	.15	.41	.01	.42	0	1058
152005	11	42750	460	2091	4.12	.02	4.10	-0.14	3.96	0	1059
152005	11	42750	484	1278	3.73	.01	3.72	-0.26	3.43	0	1060
152005	11	42750	699	246	3.66	-0.02	3.68	-0.23	3.45	0	1061
152005	11	42750	526	136	7.32	.22	7.10	1.32	8.42	31	1062
152005	11	42750	516	111	-1.46	-0.37	-1.09	-0.55	-1.64	31	1063
152005	11	42750	515	234	-1.51	-0.58	-0.93	-0.05	-1.03	31	1064
152005	11	42750	522	282	-0.72	.22	-0.94	-0.05	-1.03	31	1065
152005	11	42750	523	111	-0.73	-0.66	-0.27	-0.25	-0.52	31	1066
152005	11	42750	531	407	6.85	.01	6.84	-0.26	6.58	31	1067
152005	11	42450	527	531	4.92	-0.05	4.97	-0.20	4.77	42	1068
152005	11	42450	545	284	8.48	-0.44	8.96	.25	9.21	42	1069
152005	11	42450	577	271	-2.21	-1.24	-0.97	.21	-0.76	42	1070
152005	11	42450	519	619	3.93	.66	3.24	3.05	6.29	42	1071
152005	11	42450	509	518	-0.60	.51	-1.11	-0.24	-1.35	42	1072
152005	11	42450	521	758	6.58	-0.14	.44	-0.54	-0.10	42	1073
152005	11	42450	522	769	.80	-0.02	.60	-0.23	.62	42	1074
152005	11	42450	369	3250	.43	.05	.38	-0.20	.61	42	1075
152005	11	42150	324	7125	2.57	.03	3.54	-0.21	3.33	0	1076
152005	11	42150	412	5188	4.09	-0.03	4.12	-0.12	3.99	0	1077
152005	11	42150	455	2630	4.38	.06	4.30	-0.22	4.08	0	1078
152005	11	42150	503	1022						0	1079

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
152045	11	42150	512	148	.50	.20	.30	.07	.37	24	1080
152045	11	42150	524	185	7.57	-0.9A	A.65	-0.21	2.44	24	1081
152045	11	42150	510	142	-0.79	-0.56	-0.23	-0.62	-0.86	24	1082
152045	11	42150	510	269	-0.67	.02	-0.70	.0	-0.70	24	1083
152045	11	42150	527	271	-1.02	-0.37	-0.65	-0.47	-1.12	24	1084
152045	11	42150	520	210	3.89	-0.12	4.01	.52	4.54	24	1085
152045	11	42150	524	173	2.54	.01	2.63	-0.21	3.42	24	1086
152045	11	42150	524	123	.63	.04	.59	-0.10	.49	24	1087
152045	11	42150	540	135	.43	.08	.35	.0	.35	24	1088
152045	11	42150	546	111	.32	.10	.22	-0.14	.35	24	1089
152045	11	42150	533	407	6.39	-0.02	6.41	-0.24	6.17	24	1090
152045	11	41000	363	762A	.67	.02	.65	-0.04	.61	0	1091
152045	11	41000	400	2196	2.64	.07	3.64	-0.25	3.29	22	1092
152045	11	41000	507	1201	2.53	-0.04	2.46	-0.16	3.27	22	1093
152045	11	41000	465	604	2.55	-0.56	3.59	-0.17	3.42	22	1094
152045	11	41000	455	220	5.4A	.14	6.04	-0.08	5.96	22	1095
152045	11	41000	452	245	.14	.01	.0	-0.42	-0.42	22	1096
152045	11	41000	457	219	-0.5A	-0.18	-0.40	-0.60	-1.00	22	1097
152045	11	41000	457	42A	-1.00	-0.05	-0.95	-0.26	-1.21	22	1098
152045	11	41000	470	294	-0.76	-0.06	-0.70	.14	-0.56	22	1099
152045	11	41000	475	196	2.72	.01	2.71	-0.27	2.24	22	1100
152045	11	41000	475	266	2.57	.01	3.54	-0.28	3.28	22	1101
152045	11	41000	460	775	2.43	.04	2.79	-0.22	2.56	22	1102
152045	11	41000	460	1412	4.10	.07	4.03	-0.32	3.70	22	1103
152045	11	41000	412	2833	2.94	.05	3.89	-0.22	3.67	22	1104
152045	11	41000	356	6435	2.33	.02	2.30	-0.20	2.10	0	1105
152045	11	41000	378	5610	3.39	.09	2.30	-0.22	2.08	0	1106
152045	11	41000	510	651	4.29	.02	4.26	-0.12	4.12	0	1107
152045	11	41000	510	626	5.47	.09	5.38	-0.25	5.12	0	1108
152045	11	41000	507	1239	6.46	.11	5.35	-0.22	5.12	0	1109
152045	11	41000	348	2797	-0.85	-0.73	-0.12	-0.18	-0.28	0	1110
152045	11	41000	326	6562	-0.76	-0.57	-0.19	.24	.05	9	1111
152045	11	41000	347	5991	.63	.16	.47	-0.68	-0.21	0	1112
152045	11	41000	428	3667	4.19	.10	4.09	-0.17	3.92	0	1113
152045	11	41000	487	491	4.73	.25	4.48	-0.02	4.40	0	1114
152045	11	41000	485	512	5.95	-0.17	6.12	-0.20	5.92	0	1115
152045	11	41000	307	6254	.53	-0.05	.58	-0.02	.50	0	1116
152045	11	40000	506	1745	2.55	.07	2.48	-0.15	2.22	0	1117
152045	11	40000	512	1412	2.54	.10	3.44	-0.15	3.29	0	1118
152045	11	40000	514	1030	2.07	.17	3.70	-0.14	3.56	0	1119
152045	11	40000	528	291	5.42	.11	5.31	.12	5.42	0	1120
152045	11	40000	346	626A	-0.96	-0.61	-0.35	.26	-0.09	0	1121
152045	11	40000	320	7242	-0.05	.22	-0.27	-0.44	-0.71	0	1122
152045	11	40500	323	7116	-0.73	-0.66	-0.07	-0.21	.14	0	1123
152045	11	40500	441	3001	4.70	.17	4.53	-0.15	4.28	0	1124

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153095	11	41550	470	1121	4.57	.14	4.43	-0.22	4.20	0	1125
153095	11	41550	497	254	.20	-0.04	.24	-0.25	-0.01	0	1126
153095	11	41550	400	710	6.21	-0.01	6.22	-0.25	5.97	0	1127
153095	11	41550	428	2885	3.44	.07	3.37	-0.28	3.09	0	1128
153095	11	41550	391	6681	.37	.03	.34	.02	.26	0	1129
153095	11	41550	392	7491	.50	0	.50	-0.02	.48	0	1130
153095	11	41550	378	7665	.41	-0.02	.43	0	.42	0	1131
153095	11	41550	374	7621	.75	.05	.66	.04	.70	0	1132
153095	11	41550	482	1522	3.15	.11	3.24	-0.15	3.09	0	1133
153095	11	41550	485	745	5.18	.17	5.01	-0.12	4.89	0	1134
153095	11	41550	323	5767	-0.09	-0.63	-0.26	.18	-0.02	0	1135
153095	11	41550	200	6634	-0.07	.18	-0.25	-0.42	-0.67	0	1136
153095	11	41550	327	5882	-0.75	-0.61	-0.14	.29	.15	0	1137
153095	11	41550	393	3871	4.62	.05	4.53	.01	4.54	0	1138
153095	11	41550	464	289	.51	-0.07	.58	-0.54	.04	0	1139
153095	11	41550	468	742	5.82	0	5.82	-0.12	5.69	0	1140
153095	11	41550	442	1264	3.95	.01	3.94	-0.12	3.82	0	1141
153095	11	41550	428	2063	3.53	.07	3.46	-0.17	3.29	0	1142
153095	11	41550	377	3430	.53	.65	.58	.02	.61	0	1143
153095	11	41550	360	4103	.68	.09	.59	.01	.60	0	1144
153095	11	41550	393	6517	.34	.03	.31	0	.31	0	1145
153095	11	41550	395	6882	.59	.18	.41	-0.04	.27	0	1146
153095	11	41550	402	6887	.36	.22	.14	.04	.18	0	1147
153095	11	41550	426	6220	3.50	.16	3.34	-0.03	3.31	0	1148
153095	11	41550	464	5457	3.89	.06	3.83	-0.18	3.65	0	1149
153095	11	41550	406	2034	3.71	.12	3.58	-0.06	3.52	0	1150
153095	11	41550	516	1252	3.27	.05	3.22	-0.41	2.81	0	1151
153095	11	41550	524	500	5.56	.26	5.30	-0.22	5.08	25	1152
153095	11	41550	377	6110	-0.80	-0.68	-0.12	.21	.09	25	1153
153095	11	41550	314	6635	.28	.24	.04	-0.47	-2.43	25	1154
153095	11	41550	331	5578	-0.65	-1.59	-0.06	.28	.22	25	1155
153095	11	41550	364	4144	4.91	.06	4.85	-0.12	4.73	25	1156
153095	11	41550	457	1450	5.38	.16	5.22	-0.23	4.99	25	1157
153095	11	41550	482	412	.24	-0.08	.32	-0.14	.18	25	1158
153095	11	41550	460	723	6.30	.10	6.20	-0.31	5.89	25	1159
153095	11	41550	469	553	3.44	.08	3.40	-0.05	3.31	25	1160
153095	11	41550	438	2537	3.51	.01	3.50	-0.23	3.17	25	1161
153095	11	41550	439	3554	3.09	-0.02	3.11	-0.06	3.05	25	1162
153095	11	41550	405	5514	.55	.04	.61	.06	.67	0	1163
153095	11	41550	377	5755	.43	.06	.37	.03	.40	0	1164
153095	11	41550	346	7193	.57	.06	.51	.04	.55	0	1165
153095	11	41550	305	7392	.80	.11	.69	-0.07	.62	0	1166
153095	11	41550	435	6807	.70	.12	.58	0	.58	0	1167
153095	11	41550	502	4748	3.66	.13	3.53	-0.05	3.44	0	1168
153095	11	41550	504	4170	3.22	.01	3.21	-0.10	3.11	0	1169

# NADC-72021 VT

BURAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRF	N2 DIFF. (FCRF-CG)	NZ CG	12 DIFF. (AFT/CG)	NZ AFY	MANUEVER CODE	SEQUENCE NUMBER
152005	11	38500	512	2661	3.50	.04	3.46	-0.09	3.27	0	1170
152006	11	38500	525	424	6.17	-0.37	6.54	.01	6.55	31	1171
152007	11	38500	522	399	-0.71	-0.52	-0.19	-1.32	-1.52	31	1172
152008	11	38500	523	459	-1.79	-0.78	-1.03	0	-1.03	31	1173
152009	11	38500	523	458	-1.24	-0.57	-0.67	-0.20	-0.87	31	1174
152010	11	38500	550	562	6.94	.13	6.81	-0.28	6.53	31	1175
152011	11	38500	429	3844	.29	-0.01	.30	.01	.31	31	1176
152012	11	38500	407	5514	3.34	.04	3.30	-0.17	3.13	31	1177
152013	11	38500	351	7425	.58	.03	.55	-0.01	.54	31	1178
152014	11	38430	406	6562	.57	.10	.47	.02	.49	37	1179
152015	11	38400	463	4660	4.94	.05	4.89	-0.23	4.66	37	1180
152016	11	38400	477	3481	3.74	-0.01	3.75	-0.08	3.67	37	1181
152017	11	38400	512	1835	5.17	.07	5.10	-0.22	4.88	37	1182
152018	11	38400	514	856	4.10	.10	4.00	-0.18	3.82	37	1183
152019	11	38400	514	559	3.67	.09	3.58	-0.08	3.50	37	1184
152020	11	38400	514	476	3.74	-0.01	3.75	-0.23	3.52	37	1185
152021	11	38400	513	377	.50	.13	.32	.05	.37	37	1186
152022	11	38400	522	402	7.18	-0.39	7.57	.01	7.58	37	1187
152023	11	38400	525	431	-0.97	-0.14	-0.83	-0.15	-0.98	37	1188
152024	11	38400	527	512	-0.61	-0.33	-0.28	-0.78	-1.06	37	1189
152025	11	38400	540	428	4.41	-0.02	4.43	.45	4.88	37	1190
152026	11	38400	542	340	.18	-0.31	.49	-0.56	-0.07	37	1191
152027	11	38400	529	647	7.21	.16	7.05	-0.34	6.71	37	1192
152028	11	38400	340	5709	3.19	.04	3.15	-0.12	3.03	37	1193
152029	11	38150	260	8563	-0.05	.04	-0.10	.01	-0.09	0	1194
152030	11	38150	320	7294	3.27	.02	3.24	-0.14	3.10	0	1195
152031	11	38150	372	6102	3.99	-0.04	4.03	-0.23	3.80	0	1196
152032	11	38150	476	2525	5.19	.06	5.11	-0.25	4.85	0	1197
152033	11	38150	485	1578	4.12	.02	4.10	-0.32	3.78	0	1198
152034	11	38150	514	838	4.71	.02	4.69	-0.27	4.42	0	1199
152035	11	38150	519	639	.46	.15	.27	-0.15	.12	0	1200
152036	11	38150	547	475	2.10	-0.47	2.57	1.33	3.50	0	1201
152037	11	38150	544	476	-2.00	-0.15	-1.85	-0.37	-2.22	0	1202
152038	11	38150	405	390	-1.63	-1.32	-0.31	-0.94	-1.25	0	1203
152039	11	38150	408	450	.56	-0.14	.70	-0.55	.15	0	1204
152040	11	38150	507	709	6.64	-0.02	5.70	-0.34	6.36	0	1205
152041	11	38150	354	4218	0	0	0	-0.01	-0.01	0	1206
152042	11	38150	262	8333	.34	.02	.32	.02	.35	0	1207
152043	11	38150	311	2144	.62	-0.02	.64	-0.06	.58	0	1208
152044	11	38200	306	1507	.73	.05	.68	-0.03	.65	0	1209
152045	11	38200	238	1695	.68	.06	.62	-0.06	.56	0	1210
152046	11	38200	178	1775	.73	.07	.66	-0.10	.56	0	1211
152047	11	38200	172	1850	.65	.07	.58	-0.02	.52	0	1212
152048	11	38200	154	1235	.65	.07	.58	-0.02	.56	0	1213
152049	11	38200	162	596	.67	.12	.55	.01	.56	0	1214

# ACCELEROMETER DATA

A/C SER. NO. 153085 FLT. NO. 11 DATE 5/20/70 FLT. TIME 0874RS.

COUNTS BEFORE FLT 9555 7.00 8.50 10.00  
 COUNTS AFTER FLT 9574 9570 9539 5303  
 9585 9542 5304

DIFFERENCE 19 7 3 1

CG ACCEL. 19 2 2 0

FORE ACCEL. 18 2 1 0

AFT ACCEL. 20 5 3 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEQ. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1014	5.99	5.98	5.85
1021	5.45	.26	6.15
1043	6.42	6.10	6.10
1055	7.28	7.33	7.50
1062	7.10	7.32	6.42
1067	6.84	6.85	6.58
1069	6.06	6.46	5.21
1071	3.24	3.03	6.29
1074	6.60	6.50	6.27
1081	8.65	7.67	8.44
1090	6.41	6.39	6.17
1095	6.04	5.48	5.56
1115	6.12	5.95	5.52
1127	6.22	6.21	5.57
1148	5.82	5.82	5.65
1159	6.20	6.30	5.49
1171	6.54	6.17	6.55
1175	6.81	6.94	6.53
1187	7.57	7.18	7.58
1192	7.03	7.21	6.71
1205	6.78	6.68	6.36



NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ ART	MANUEVER CCCE	SEQUENCE NUMBER
153095	11	74000	157	841	.73	.10	.63	-0.10	.52	0	1215
153095	11	74000	255	1159	.68	.13	.55	-0.01	.54	0	1216
153095	11	74000	304	1404	.66	.06	.60	-0.06	.54	0	1217
153095	12	44270	197	7880	-0.15	.04	-0.53	.36	-0.17	0	1001
153095	12	44270	316	6545	.51	-0.16	.67	-0.28	.29	0	1002
153095	12	44270	360	4647	3.52	.02	3.50	.04	3.54	0	1003
153095	12	44270	373	4138	3.37	0	3.37	-0.17	3.20	0	1004
153095	12	44270	387	3681	3.79	.12	3.67	-0.10	3.57	0	1005
153095	12	44270	392	3446	3.73	.09	3.64	-0.08	3.56	0	1006
153095	12	44270	472	2051	3.87	.04	3.83	-0.12	3.71	0	1007
153095	12	44270	472	1060	.20	.01	.19	-0.09	.10	0	1008
153095	12	44270	477	1087	3.33	.03	3.30	-0.02	3.28	0	1009
153095	12	43870	438	1537	4.42	.11	4.31	-0.18	4.13	0	1010
153095	12	43870	450	1050	3.92	-0.15	4.08	-0.22	3.75	0	1011
153095	12	43870	474	649	3.34	-0.01	3.35	-0.20	3.15	0	1012
153095	12	43870	464	1010	3.99	.06	3.92	-0.21	3.71	0	1013
153095	12	43870	325	5528	3.99	.04	3.95	-0.21	3.74	0	1014
153095	12	43870	311	6060	-0.25	-0.02	.55	.17	.72	29	1015
153095	12	43870	461	1350	.59	-0.11	.70	-0.48	.22	0	1016
153095	12	43870	484	184	4.97	.01	4.96	-0.29	4.67	0	1017
153095	12	43870	484	5184	6.66	.02	6.64	-0.02	6.62	40	1018
153095	12	43870	401	2780	2.77	.06	2.71	-0.17	2.54	40	1019
153095	12	43870	570	140	4.26	.01	4.25	-0.28	3.97	0	1020
153095	12	43870	552	1193	5.43	-0.01	5.46	-0.04	5.31	0	1021
153095	12	43870	351	7423	-1.59	-0.03	-0.40	.45	.05	20	1022
153095	12	43870	224	11589	2.59	.90	2.09	3.51	5.60	20	1023
153095	12	43870	180	13257	-0.12	.08	-0.20	-0.06	-0.26	0	1024
153095	12	42770	364	1156	.17	-0.07	.24	0	.24	0	1025
153095	12	42770	374	5004	3.37	.04	3.33	-0.09	3.24	0	1026
153095	12	42770	471	1714	3.39	0	3.30	.9	3.45	0	1027
153095	12	42770	477	1027	3.41	.03	3.35	-0.16	3.45	0	1028
153095	12	42770	442	821	3.47	.06	3.39	-0.12	3.22	0	1029
153095	12	42770	443	597	.06	.08	.15	-0.04	3.35	0	1030
153095	12	42770	443	562	4.05	-0.09	4.81	-0.08	.07	0	1031
153095	12	42770	267	6587	-0.58	.04	.01	-0.28	.53	0	1032
153095	12	42770	320	6066	.45	-0.59	.32	.30	.21	0	1033
153095	12	42770	473	2035	4.29	.12	4.22	-0.26	.06	0	1034
153095	12	42770	504	892	6.19	.07	6.03	-0.28	5.94	28	1035
153095	12	42770	310	7426	.32	.16	.15	-0.29	5.74	28	1036
153095	12	42770	321	7448	.24	.01	.13	.12	.42	0	1037
153095	12	42770	446	2473	2.40	.11	3.33	.10	.23	0	1038
153095	12	42770	484	2122	3.07	.07	3.17	-0.12	3.20	0	1039
153095	12	42770	506	2122	3.29	-0.10	3.36	-0.01	3.16	0	1040
153095	12	42770	506	2122	3.29	-0.07	3.36	-0.14	3.22	0	1041
153095	12	42770	506	2122	3.29	-0.07	3.36	-0.14	3.22	0	1042

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BUREAU NUMBER	FLIGHT ALPHER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	AZ FCRE	AZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ ART	MANUEVER CCODE	SEQUENCE NUMBER
153005	12	42020	511	1746	3.71	-0.14	3.05	-0.25	3.50	0	1043
153005	12	42020	515	1236	4.31	.02	4.29	-0.20	4.00	0	1044
153005	12	42020	518	669	.07	-0.02	.10	-0.06	.04	0	1045
153005	12	42020	520	598	-2.62	.31	-2.93	.35	-2.58	37	1046
153005	12	42020	542	552	.31	.12	.19	-0.09	.10	37	1047
153005	12	42020	530	738	6.61	.11	6.50	-0.23	6.27	37	1048
153005	12	42020	307	3513	.36	-0.10	.46	-0.03	.42	-0	1049
153005	12	41470	206	6893	.27	.02	.24	.02	.28	0	1050
153005	12	41470	412	3560	2.84	-0.14	3.98	-0.21	3.77	0	1051
153005	12	41470	446	2820	2.23	-0.12	3.35	-0.07	3.28	0	1052
153005	12	41470	456	2444	2.56	.05	3.61	-0.05	3.56	0	1053
153005	12	41470	465	1827	3.42	.01	3.41	-0.14	3.27	0	1054
153005	12	41470	460	1572	2.60	-0.06	3.66	-0.14	3.52	0	1055
153005	12	41470	481	684	.73	.08	.65	.06	.71	0	1056
153005	12	41470	507	733	5.63	-0.36	5.99	-0.06	5.93	0	1057
153005	12	41470	400	649	-1.07	-0.59	-0.48	-0.68	-1.16	0	1058
153005	12	41470	408	771	-1.99	-0.41	-1.58	.53	-1.05	0	1059
153005	12	41470	500	797	-0.95	-0.60	-0.35	-0.74	-0.66	0	1060
153005	12	41470	502	765	5.80	.05	5.75	.02	5.77	0	1061
153005	12	40520	400	2775	.35	-0.07	.42	.01	.43	0	1062
153005	12	40520	420	2441	3.65	.06	3.59	-0.14	3.45	0	1063
153005	12	40520	400	1542	2.61	.04	3.57	-0.13	3.44	0	1064
153005	12	40520	502	1276	3.29	.01	3.28	.02	3.31	0	1065
153005	12	40520	515	833	1.10	-0.01	1.11	-0.14	.97	0	1066
153005	12	40520	524	757	3.10	-0.16	3.26	-0.36	2.90	0	1067
153005	12	40520	530	673	.64	.02	.62	-0.27	.35	0	1068
153005	12	40520	545	737	7.20	-0.40	7.60	-0.07	7.63	0	1069
153005	12	40520	525	532	-1.47	.20	-1.67	-0.39	-2.06	0	1070
153005	12	40520	520	520	.20	.12	.17	-0.11	.06	0	1071
153005	12	40520	532	820	.17	-0.23	.40	-0.05	.25	0	1072
153005	12	40520	430	517	5.78	.04	5.74	-0.06	5.65	0	1073
153005	12	40520	400	2364	4.26	.02	4.23	-0.30	3.93	0	1074
153005	12	40370	400	5324	3.35	-0.03	3.38	-0.20	3.18	0	1075
153005	12	40370	448	2827	3.56	-0.03	3.59	-0.19	3.40	0	1076
153005	12	40370	400	1903	3.22	0	3.22	-0.11	3.11	0	1077
153005	12	40370	512	1552	3.68	-0.04	3.72	-0.14	3.58	0	1078
153005	12	40370	520	582	3.32	.03	3.29	-0.07	3.22	0	1079
153005	12	40370	520	670	.31	-0.01	.32	.01	.23	0	1080
153005	12	40370	539	858	7.27	-0.27	7.54	-0.19	7.35	34	1081
153005	12	40370	529	733	-0.76	-0.17	-0.59	-0.23	-0.82	34	1082
153005	12	40370	525	675	3.70	-0.25	3.95	.50	4.45	34	1083
153005	12	40370	527	639	2.82	-0.22	4.04	-0.26	3.78	34	1084
153005	12	40370	528	770	6.56	-0.08	6.62	.02	6.64	34	1085
153005	12	40370	388	4254	.36	.04	.32	-0.02	.30	0	1086
153005	12	39870	336	6293	.28	-0.43	.71	-0.19	.52	0	1087

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RUPFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	A2 DIFF. (FCRE-CG)	NZ CG	N2 DIFF. (AFT/CG)	NZ AFT	MANUEVER CCCE	SEQUENCE NUMBER
153095	12	39870	326	7424	3.07	-0.15	3.22	-0.32	2.98	0	1088
153095	12	39870	354	6460	3.29	.01	3.28	-0.10	2.16	0	1089
153095	12	39870	412	4586	3.36	-0.11	3.47	-0.20	3.27	0	1090
153095	12	39870	442	4951	3.35	-0.09	3.42	-0.24	3.78	0	1091
153095	12	39870	462	4267	3.35	-0.10	3.45	-0.20	3.25	0	1092
153095	12	39870	462	3519	3.82	-0.05	3.87	-0.15	3.72	0	1093
153095	12	39870	461	3378	3.49	-0.07	3.56	-0.21	3.25	0	1094
153095	12	39870	471	2597	3.93	.01	3.92	-0.17	3.76	0	1095
153095	12	39870	475	1974	2.92	-0.12	4.04	-0.10	2.54	0	1096
153095	12	39870	486	851	5.94	-0.21	6.15	-0.26	5.89	22	1097
153095	12	39870	484	597	-1.09	-0.05	-1.03	-0.02	-1.11	22	1098
153095	12	39870	484	590	-1.22	-0.08	-1.14	.31	-0.62	22	1099
153095	12	39870	499	675	5.74	.21	5.53	-0.12	5.40	22	1100
153095	12	39870	394	5022	3.32	-0.01	3.32	-0.12	3.20	0	1101
153095	12	39870	473	1548	3.44	-0.02	3.47	-0.09	3.38	0	1102
153095	12	39870	481	1593	3.99	-0.17	3.25	-0.22	3.02	0	1103
153095	12	39870	475	2226	5.39	.08	5.30	.026	4.54	26	1104
153095	12	39870	316	7012	.36	.05	.27	0.49	-0.22	26	1105
153095	12	39870	339	6430	-0.91	-0.66	-0.25	.32	.02	26	1106
153095	12	39870	359	5538	.99	.35	.64	-0.52	.12	26	1107
153095	12	39870	401	4564	4.89	.06	4.89	-0.26	4.62	26	1108
153095	12	39870	472	664	2.67	-0.27	2.61	-0.22	2.29	26	1109
153095	12	39870	476	725	.42	-0.12	.69	-0.03	-0.24	26	1110
153095	12	39870	483	1034	6.19	-0.12	6.37	-0.21	6.06	26	1111
153095	12	39870	470	1725	4.42	.06	4.36	-0.24	4.12	0	1112
153095	12	39870	455	4062	3.61	-0.13	3.74	-0.28	3.46	0	1113
153095	12	39870	509	1717	4.94	.04	4.90	-0.28	4.62	0	1114
153095	12	39870	507	1112	3.70	.07	3.79	-0.12	3.67	0	1115
153095	12	39870	461	707	.56	.07	.49	-0.16	.23	0	1116
153095	12	39870	542	675	.31	-0.02	.33	-0.01	.22	0	1117
153095	12	39870	542	672	-0.22	.01	-0.22	-0.04	-0.21	0	1118
153095	12	39870	585	747	.63	.05	.58	-0.50	.02	0	1119
153095	12	39870	584	901	5.45	-0.03	5.48	0	5.48	0	1120
153095	12	39870	424	2090	4.40	.06	4.32	-0.25	4.07	0	1121
153095	12	39870	354	2217	3.36	.07	3.36	-0.12	3.12	0	1122
153095	12	39870	345	3567	3.33	-0.04	3.30	-0.14	3.16	0	1123
153095	12	39870	344	2554	3.44	-0.04	3.49	-0.11	3.27	0	1124
153095	12	39870	344	2586	2.31	-0.04	3.35	-0.10	3.25	0	1125
153095	12	39870	385	4623	3.05	-0.12	3.17	-0.16	2.81	0	1126
153095	12	39870	470	1347	3.73	-0.29	4.02	-0.22	3.80	0	1127
153095	12	39870	462	1547	3.36	-0.18	3.54	-0.24	2.20	0	1128
153095	12	39870	445	2067	3.79	-0.14	3.93	-0.12	3.75	0	1129
153095	12	39870	432	2601	2.47	-0.09	2.56	-0.16	2.40	0	1130
153095	12	39870	410	3222	3.77	-0.02	3.80	-0.09	3.71	0	1131
153095	12	39870	396	2627	2.36	-0.15	3.55	-0.30	2.25	0	1132

NADC-72021 VT

ACCELEROMETER DATA

A/C SER. NO. 153185 FLT. NO. 12 DATE 5/21/70 FLT. TIME .55HRS.

6:00	7:00	8:00	10:00
9574	9585	9542	9304
9326	9508	9542	9304

DIFFERENCE	12	2	0	0
CG ACCEL.	12	2	0	0
FCRE ACCEL.	11	2	0	0
AFT ACCEL.	10	2	0	0

INDIVIDUAL DATA POINTS EXCEEDING .00 THRESHOLD FOR THIS FLIGHT

SEC. NO.	CG ACCEL.	FCRE ACCEL.	AFT ACCEL.
1010	6.64	6.66	6.62
1017	6.93	6.19	5.74
1040	6.50	6.01	6.27
1057	5.89	6.63	5.62
1061	5.75	5.80	5.77
1069	7.60	7.20	7.63
1081	7.54	7.27	7.35
1085	6.62	6.54	6.64
1097	6.15	5.94	5.89
1111	6.37	6.19	6.06
1162	6.11	6.21	5.83
1171	6.55	5.28	5.73
1173	6.52	6.64	6.33

NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FORE-CG)	NZ CG	NZ OFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	12	37520	367	4469	3.00	-0.27	3.27	-0.28	2.99	0	1123
153045	12	37520	347	5273	3.08	-0.25	3.33	-0.10	3.22	0	1134
153045	12	37520	174	5957	.42	-0.10	.52	-0.07	.45	0	1135
153045	12	37520	167	10199	.36	.22	.13	.12	.25	0	1136
153045	12	37520	329	5759	3.20	-0.10	3.30	-0.11	3.19	0	1137
153045	12	37520	379	4227	3.13	-0.16	3.29	-0.10	3.19	0	1138
153045	12	37520	402	3114	3.54	-0.13	3.67	-0.21	3.46	0	1139
153045	12	37520	425	3110	3.01	-0.23	3.24	-0.14	3.10	0	1140
153045	12	37520	428	1165	3.05	-0.18	3.23	-0.21	3.02	0	1141
153045	12	37520	108	7501	.38	0	.38	.05	.43	0	1142
153045	12	37520	194	7805	.42	0	.42	-0.09	.32	0	1143
153045	12	37520	178	7880	.47	.14	.33	.02	.36	0	1144
153045	12	37520	258	4165	.59	.17	.42	-0.01	.41	0	1145
153045	12	37520	269	2875	.02	-0.01	.03	-0.02	0	0	1146
153045	12	37520	264	3449	.35	0	.35	-0.05	.30	0	1147
153045	12	37520	259	3688	.44	-0.02	.46	-0.11	.35	0	1148
153045	12	37520	250	4549	.40	.02	.38	.02	.40	0	1149
153045	12	37520	324	4219	3.75	-0.02	3.37	-0.05	3.22	0	1150
153045	12	37520	348	3601	3.58	0	3.58	-0.20	3.28	0	1151
153045	12	37520	373	3069	4.46	-.09	4.37	-0.10	4.27	0	1152
153045	12	37520	393	2308	3.55	.01	3.54	-0.16	3.28	0	1153
153045	12	37520	418	1792	3.46	-0.02	3.48	-0.22	3.26	0	1154
153045	12	37520	443	1426	3.91	-0.04	3.99	-0.25	3.64	0	1155
153045	12	37520	403	880	.35	-0.13	.48	-0.25	.23	0	1156
153045	12	37520	502	833	3.61	-0.62	4.23	1.02	5.25	45	1157
153045	12	37520	506	818	-2.12	1.00	-3.12	.97	-2.15	45	1158
153045	12	37520	408	815	-1.45	.24	-2.09	.07	-2.01	45	1159
153045	12	37520	489	796	1.01	.18	.83	-0.65	.14	45	1160
153045	12	37520	408	850	.51	.02	.49	-0.44	.05	45	1161
153045	12	37520	453	1060	6.21	.10	6.11	-0.28	5.82	45	1162
153045	12	37520	430	3258	3.57	-0.06	3.63	-0.17	3.46	0	1163
153045	12	37520	282	1542	.44	.08	.36	0	.36	0	1164
153045	12	37520	284	577	.64	.02	.62	-0.20	.42	0	1165
153045	12	37520	301	536	.53	-0.06	.59	-0.17	.42	0	1166
153045	12	37520	356	2764	3.57	.09	3.48	-0.12	3.26	0	1167
153045	12	37520	366	2057	3.66	.12	3.54	-0.11	3.42	0	1168
153045	12	37520	374	1808	3.53	.02	3.51	-0.14	3.27	0	1169
153045	12	37520	404	806	.40	.03	.37	-0.03	.24	0	1170
153045	12	37520	510	923	5.28	-1.27	6.55	-0.82	5.73	0	1171
153045	12	37520	508	882	-1.51	-1.39	-0.12	-0.11	-0.20	0	1172
153045	12	37520	511	1194	6.64	.12	6.52	-0.19	6.23	0	1173
153045	12	37520	460	1296	3.41	.01	3.41	.04	3.45	0	1174
153045	12	37520	370	2179	3.35	-0.02	3.37	-0.05	3.22	0	1175
153045	12	37520	742	2111	3.38	.04	3.34	-0.12	3.21	0	1176
153045	12	42500	471	1210	4.80	.12	4.68	-0.12	4.56	0	2001

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	13	42500	505	431	.57	.07	.50	.01	.51	0	2002
1530A5	13	42500	511	419	.47	.27	.20	.06	.29	0	2003
1530A5	13	42500	521	406	.59	.05	.50	.11	.61	0	2004
1530A5	13	42500	541	428	.33	-.014	.47	-.047	0	40	2005
1530A5	13	42500	536	635	6.43	.02	6.40	-.015	6.25	0	2006
1530A5	13	42500	376	667	2.23	.06	3.15	-.006	3.06	0	2007
1530A5	13	42000	466	3568	2.90	.07	3.83	-.012	3.70	0	2008
1530A5	13	42000	484	2693	3.03	.08	3.85	-.014	3.71	0	2009
1530A5	13	42000	502	1225	3.39	.05	3.34	-.013	3.21	0	2010
1530A5	13	42000	504	932	3.50	.01	3.49	-.013	3.36	0	2011
1530A5	13	42000	522	617	5.73	-.036	6.09	.54	6.63	31	2012
1530A5	13	42000	527	444	-.057	.01	-.056	-.056	-.114	31	2013
1530A5	13	42000	521	530	-.117	.38	-.155	.06	-.146	31	2014
1530A5	13	42000	527	578	-.073	.25	-.102	.11	-.051	31	2015
1530A5	13	42000	523	592	6.99	.11	5.88	-.016	5.72	31	2016
1530A5	13	41800	456	2527	3.90	.03	3.87	-.013	3.74	0	2017
1530A5	13	41800	474	2029	4.26	.08	4.18	-.016	4.02	0	2018
1530A5	13	41800	498	1185	3.35	-.002	3.37	-.015	3.22	0	2019
1530A5	13	41800	507	618	3.61	0	3.61	-.013	3.48	0	2020
1530A5	13	41800	525	621	.64	.14	.50	-.006	.41	0	2021
1530A5	13	41800	531	755	6.33	-.068	7.01	.48	7.49	0	2022
1530A5	13	41800	528	618	-.177	-.129	-.048	.37	-.011	0	2023
1530A5	13	41800	514	855	4.27	.46	3.81	2.86	6.70	0	2024
1530A5	13	41800	512	728	-.141	.36	-.177	.66	-.076	0	2025
1530A5	13	41800	524	600	.34	-.010	.44	-.088	-.044	0	2026
1530A5	13	41800	491	648	5.53	.08	5.45	-.025	5.20	0	2027
1530A5	13	41800	304	5000	.50	.24	.26	.24	.50	0	2028
1530A5	13	41500	324	5157	3.18	.04	3.14	.06	3.20	0	2029
1530A5	13	41500	375	3925	3.34	.02	3.32	-.012	3.19	0	2030
1530A5	13	41500	455	1644	3.56	.06	3.50	-.016	3.24	0	2031
1530A5	13	41500	493	617	3.16	.06	3.10	-.014	2.96	0	2032
1530A5	13	41500	517	490	5.97	-.029	6.26	.16	6.42	0	2033
1530A5	13	41500	534	793	-.089	-.020	-.069	-.049	-.116	0	2034
1530A5	13	41500	538	234	2.63	-.002	3.65	-.002	3.63	0	2035
1530A5	13	41500	542	185	.79	-.011	.90	-.068	.22	0	2036
1530A5	13	41500	542	394	6.30	.13	6.17	-.031	5.86	0	2037
1530A5	13	41500	360	5457	.55	.21	.34	.26	.60	0	2038
1530A5	13	41500	280	6643	2.10	-.004	2.14	-.005	2.09	0	2039
1530A5	13	41300	445	4414	4.70	.04	4.66	-.016	4.50	0	2040
1530A5	13	41300	501	1296	3.45	0	3.45	-.018	3.27	0	2041
1530A5	13	41300	518	809	3.44	-.004	3.48	-.017	3.31	0	2042
1530A5	13	41300	546	506	6.59	-.015	6.74	.45	7.19	43	2043
1530A5	13	41300	535	433	1.48	-.095	2.43	1.47	3.90	43	2044
1530A5	13	41300	532	471	1.00	-.097	1.97	1.54	3.51	43	2045
1530A5	13	41300	530	506	.17	.41	-.024	-.035	-.059	43	2046

NADC-72021 VI

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	N7 FCRE	N2 DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
150045	12	41200	546	481	-0.20	-0.20	.10	-0.59	-0.49	42	2047
150045	12	41200	518	742	5.94	.07	5.47	-0.24	5.63	42	2048
150045	12	41200	397	4583	.39	.08	.31	0	.21	0	2049
150045	12	41200	411	5295	2.93	.02	2.91	-0.12	2.78	0	2050
150045	12	41200	424	4844	3.16	-0.02	3.18	-0.11	3.07	0	2051
150045	12	40900	454	7423	3.65	-0.04	3.69	-0.16	3.52	0	2052
150045	12	40900	501	2364	4.29	.06	4.23	-0.17	4.06	0	2053
150045	12	40900	517	1145	3.01	-0.04	3.05	-0.16	2.89	0	2054
150045	12	40900	517	556	2.96	-0.02	2.99	-0.10	2.89	0	2055
150045	12	40900	521	393	5.37	-0.15	5.56	.47	6.02	31	2056
150045	12	40900	525	643	-1.27	.16	-1.43	-0.04	-1.47	31	2057
150045	12	40900	537	507	-0.64	.02	-0.67	-0.20	-0.27	31	2058
150045	12	40900	542	408	-0.35	.02	-0.37	.70	.23	31	2059
150045	12	40900	551	295	6.47	.11	6.36	-0.12	6.22	31	2060
150045	12	40900	350	4573	.59	.16	.43	.10	.53	0	2061
150045	12	40700	226	4533	.45	.21	.24	.23	.47	0	2062
150045	12	40700	431	4732	4.45	.02	4.43	-0.23	4.20	0	2063
150045	12	40700	452	2466	4.19	.04	4.15	-0.16	3.99	0	2064
150045	12	40700	512	403	3.32	.05	3.27	-0.04	3.22	0	2065
150045	12	40700	544	468	.33	.13	.20	.10	.20	0	2066
150045	12	40700	545	517	6.35	-0.47	6.02	-0.89	6.98	42	2067
150045	12	40700	524	381	.57	-0.21	.78	.16	-0.11	42	2068
150045	12	40700	520	677	8.11	-0.01	6.12	-0.25	5.77	42	2069
150045	12	40700	352	5760	.89	.29	.51	.28	.79	0	2070
150045	12	40400	307	4612	3.00	.02	2.98	-0.06	2.92	0	2071
150045	12	40400	428	4821	3.21	.07	3.14	-0.12	3.02	0	2072
150045	12	40400	440	3066	3.20	.02	3.18	-0.11	3.07	0	2073
150045	12	40400	499	2255	3.30	-0.03	3.33	-0.14	3.19	0	2074
150045	12	40400	520	1470	3.31	.02	3.29	-0.10	3.19	0	2075
150045	12	40400	526	296	.54	.10	.44	-0.02	.42	0	2076
150045	12	40400	547	415	6.03	-0.17	6.20	.42	6.62	24	2077
150045	12	40200	550	514	-1.13	.11	-1.24	-0.23	-1.47	24	2078
150045	12	40400	554	258	5.74	-0.17	5.91	-0.16	5.75	24	2079
150045	12	40100	252	10539	.40	.56	-0.16	.57	.41	0	2080
150045	12	40100	261	10576	.81	.47	.34	.42	.75	0	2081
150045	12	40100	356	4675	3.16	-0.01	3.17	-0.10	3.07	0	2082
150045	12	40100	440	3955	2.72	-0.02	2.74	-0.16	2.58	0	2083
150045	12	40100	446	2360	4.31	0	4.31	-0.19	4.12	0	2084
150045	12	40100	489	1512	3.67	.03	3.64	-0.17	3.47	0	2085
150045	12	40100	521	517	.50	.09	.41	-0.01	.40	0	2086
150045	12	40100	527	679	6.53	-0.50	7.03	.32	7.26	42	2087
150045	12	40100	522	517	-0.92	-1.15	.26	.48	.74	42	2088
150045	12	40100	522	667	.15	.08	.07	-0.81	-0.74	0	2089
150045	12	40100	527	767	.52	.18	.34	.10	.44	0	2090
150045	12	40100	500	526	2.93	-0.05	2.98	-0.05	2.93	0	2091

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, A/S (KNOTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	13	39000	456	2754	3.40	-0.02	3.42	-0.14	3.28	0	2092
153045	13	39000	501	2080	3.20	-0.02	3.22	-0.12	3.10	0	2093
153045	13	39000	524	1132	3.30	.06	3.24	-0.11	3.12	0	2094
153045	13	39000	520	816	3.52	-0.03	3.55	-0.16	3.39	0	2095
153045	13	39000	529	530	3.11	.03	3.08	-0.12	2.96	0	2096
153045	13	39000	510	490	.62	.09	.53	-0.12	.41	0	2097
153045	13	39000	524	517	5.21	-0.13	5.34	.53	5.67	43	2098
153045	13	39000	526	543	.93	.11	.82	-0.58	.24	43	2099
153045	13	39000	540	530	.03	-0.06	.09	-0.57	.42	43	2100
153045	13	39000	500	841	5.56	.12	5.43	-0.09	5.34	43	2101
153045	13	39000	376	4124	2.95	-0.10	3.05	-0.15	2.90	0	2102
153045	13	39000	375	7097	.55	.10	.45	.05	.50	0	2103
153045	13	39400	391	5338	2.01	-0.01	2.02	-0.09	1.94	0	2104
153045	13	39400	418	4429	4.14	.04	4.10	-0.19	3.91	0	2105
153045	13	39400	442	2900	4.31	.01	4.30	-0.16	4.14	0	2106
153045	13	39400	452	2225	3.44	.04	3.40	-0.11	3.29	0	2107
153045	13	39400	476	1616	.91	.02	.90	.04	.84	0	2108
153045	13	39400	502	1044	3.78	.01	3.78	-0.12	3.66	0	2109
153045	13	39400	515	655	3.42	.01	3.41	-0.04	3.27	0	2110
153045	13	39400	520	541	.62	.10	.52	-0.04	.48	0	2111
153045	13	39400	535	604	6.07	-1.01	7.08	.93	8.01	42	2112
153045	13	39400	531	480	3.23	-0.16	3.39	-0.46	2.97	42	2113
153045	13	39400	508	755	5.06	-0.15	5.21	-0.14	5.07	42	2114
153045	13	39100	442	5802	3.78	.04	3.74	-0.10	3.64	0	2115
153045	13	39100	481	4207	3.43	.04	3.39	-0.11	3.28	0	2116
153045	13	39100	499	3233	3.23	.07	3.16	-0.09	3.07	0	2117
153045	13	39100	526	1825	3.23	.06	3.17	-0.03	3.14	0	2118
153045	13	39100	526	1588	3.44	.05	3.39	-0.09	3.30	0	2119
153045	13	39100	531	1185	3.50	-0.01	3.51	-0.19	3.32	0	2120
153045	13	39100	572	618	2.96	.00	2.96	-0.12	2.84	0	2121
153045	13	39100	541	617	6.31	-0.53	6.84	.52	7.36	42	2122
153045	13	39100	572	642	.78	.23	.55	-0.72	-0.17	0	2123
153045	13	39100	515	580	3.22	.06	3.16	.03	3.15	0	2124
153045	13	39100	482	779	2.95	-0.04	2.99	-0.10	2.89	0	2125
153045	13	38800	252	4619	.33	-0.03	.36	-0.14	.22	0	2126
153045	13	38800	288	6846	.37	.07	.30	.00	.20	0	2127
153045	13	38800	311	6724	.61	.00	.61	-0.12	.48	0	2128
153045	13	38800	380	5235	3.40	.07	3.33	-0.09	3.24	0	2129
153045	13	38800	511	1496	2.97	-0.05	3.02	-0.09	2.93	0	2130
153045	13	38800	515	1130	3.24	.07	3.17	-0.05	3.12	0	2131
153045	13	38800	510	518	3.18	.04	3.14	-0.16	2.98	0	2132
153045	13	38800	542	550	6.77	-1.08	7.85	.41	8.26	42	2133
153045	13	38800	537	526	-1.51	-1.59	.08	.42	.50	42	2134
153045	13	38800	538	628	.57	.19	.38	.10	.48	0	2135
153045	13	38800	537	637	.55	.14	.41	.09	.50	0	2136



# ACCELEROMETER DATA

A/C SER. NO. 153085 FLT. NO. 13 DATE 5/26/70 FLY. TIME .63HRS.

CG 6.06 7.06 8.56 10.01

COUNTS BEFORE FLT

9599

9593

9543

930

COUNTS AFTER FLT

.16

9601

9544

9304

DIFFERENCE

17

8

1

1

CG ACCEL.

17

6

0

0

FORE ACCEL.

15

0

0

0

AFT ACCEL.

16

7

0

0

NADC-72021 VT

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2006	6.40	6.43	6.25
2012	6.09	5.73	6.63
2016	5.88	5.99	5.72
2022	7.01	6.33	7.49
2024	3.01	4.27	6.70
2032	6.26	5.97	6.42
2037	6.17	6.30	5.86
2043	6.74	6.59	7.19
2048	5.97	5.94	5.63
2056	5.56	5.37	6.03
2060	6.36	6.47	6.23
2067	6.82	6.75	6.58
2069	6.12	6.11	5.77
2077	6.20	6.03	6.62
2079	5.91	5.74	5.75
2087	7.02	6.53	7.36
2098	5.34	5.21	5.87
2112	7.08	6.07	6.11
2122	6.84	6.31	7.36
2133	7.85	6.77	6.26

# NADC-72021 VT

BURAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFY	MANUEVER CCODE	SEQUENCE NUMBER
1530A5	13	38200	415	2920	.42	.09	.33	.07	.40	0	2137
1530A5	13	39200	407	3762	5.32	-0.01	5.33	-0.11	5.22	0	2138
1530A5	13	38200	385	3200	2.96	0	2.96	-0.11	2.85	0	2139
1530A5	13	38200	391	4494	.40	.02	.38	-0.08	.30	0	2140
1530A5	13	38200	378	7181	.44	.06	.45	.02	.40	0	2141
1530A5	13	38200	377	7512	.45	0	.45	-0.03	.42	0	2142
1530A5	13	39200	373	12406	.29	.03	.26	-0.03	.25	0	2143
1530A5	13	38200	360	13081	.31	.02	.29	0	.29	0	2144
1530A5	13	37200	397	14817	.51	.07	.44	0	.44	0	2145
1530A5	13	37200	393	14983	.45	.03	.42	.02	.44	0	2146
1530A5	13	37200	383	15280	.54	.01	.53	.07	.60	0	2147
1530A5	13	37200	331	1200	3.67	-0.04	3.71	-0.52	3.19	0	2148
1530A5	14	43200	442	2070	3.51	.16	3.35	-0.12	3.23	0	2001
1530A5	14	43200	219	1593	-0.85	-0.04	-0.81	.08	-0.73	0	2002
1530A5	14	43200	369	4311	4.10	.08	4.02	-0.12	3.90	0	2003
1530A5	14	42500	524	565	4.99	-0.31	5.30	.65	5.55	31	2004
1530A5	14	42500	521	565	-1.09	-0.29	-0.80	-0.68	-1.48	31	2005
1530A5	14	42500	525	577	-1.55	-0.32	-1.23	-0.14	-1.27	31	2006
1530A5	14	42500	531	564	-0.49	.11	-0.60	-0.02	-0.62	31	2007
1530A5	14	42500	533	428	.35	-0.06	.41	-0.34	.07	31	2008
1530A5	14	42500	533	564	5.32	.10	5.22	-0.18	5.04	31	2009
1530A5	14	42000	459	3837	3.14	.03	3.11	-0.12	2.98	0	2010
1530A5	14	42000	467	1996	3.18	.03	3.15	-0.16	2.99	0	2011
1530A5	14	42000	506	1468	3.45	.08	3.37	-0.16	3.21	0	2012
1530A5	14	42000	520	892	3.29	.01	3.28	-0.25	3.03	0	2013
1530A5	14	42000	537	736	7.40	-0.44	7.84	.75	8.62	42	2014
1530A5	14	42000	533	740	-2.00	-0.97	-1.03	.28	-0.75	42	2015
1530A5	14	42000	528	838	1.67	-1.53	3.20	.75	3.73	42	2016
1530A5	14	42000	527	838	-1.25	.52	-1.77	.57	3.55	42	2017
1530A5	14	42000	528	828	3.40	.06	3.34	-0.21	3.13	42	2018
1530A5	14	42000	448	1928	3.14	0	3.14	-0.15	2.99	0	2019
1530A5	14	42000	352	4534	4.12	.12	4.00	-0.17	3.82	0	2020
1530A5	14	41000	427	2856	3.50	.04	3.46	-0.24	3.22	0	2021
1530A5	14	41000	455	1575	3.21	.01	3.20	-0.20	3.00	0	2022
1530A5	14	41000	533	615	6.10	-0.59	6.69	.16	6.85	34	2023
1530A5	14	41000	533	541	-1.34	-0.41	-0.93	-0.93	-1.86	34	2024
1530A5	14	41000	529	516	-0.84	.03	-0.51	-0.64	-1.15	34	2025
1530A5	14	41000	530	629	2.70	.05	2.61	-0.16	2.45	34	2026
1530A5	14	41000	540	455	5.00	-0.08	5.08	-0.16	4.92	34	2027
1530A5	14	41000	508	865	3.50	.05	3.45	-0.20	3.25	34	2028
1530A5	14	41000	476	1800	3.20	.08	3.12	-0.13	2.99	0	2029
1530A5	14	41000	517	17	3.47	.02	3.45	-0.14	3.31	0	2030
1530A5	14	41000	365	3303	3.24	.06	3.18	-0.10	3.08	0	2031
1530A5	14	41000	340	3401	3.43	.05	3.38	-0.05	3.36	0	2032

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	14	4100	382	3020	3.22	.04	3.16	-0.13	3.05	0	2034
1530A5	14	4100	361	3006	3.27	.02	3.25	-0.10	3.15	0	2035
1530A5	14	4050	401	1893	3.59	.06	3.53	-0.22	3.21	0	2036
1530A5	14	4050	380	1980	3.96	.08	3.88	-0.18	3.70	0	2037
1530A5	14	4050	464	504	.41	.07	.34	.0	.24	0	2038
1530A5	14	4070	487	1986	3.42	.08	3.34	-0.09	3.25	0	2039
1530A5	14	410	419	2254	3.30	.02	3.28	-0.20	3.02	0	2040
1530A5	14	4070	404	2478	3.44	.03	3.41	-0.20	3.21	0	2041
1530A5	14	4000	301	2627	3.37	-0.02	3.39	-0.17	3.24	0	2042
1530A5	14	4000	376	2728	3.28	.07	3.21	-0.17	3.04	0	2043
1530A5	14	4000	352	2639	3.20	.04	3.16	-0.13	3.03	0	2044
1530A5	14	4000	501	667	.54	-0.01	.55	-0.27	.28	0	2045
1530A5	14	4000	442	2551	3.37	.11	3.26	-0.12	3.14	0	2046
1530A5	14	4000	380	3637	3.21	.03	3.18	-0.19	2.99	0	2047
1530A5	14	3900	304	3204	3.46	.03	3.43	-0.24	3.19	0	2048
1530A5	14	3900	524	2286	3.40	.05	3.44	-0.21	3.23	0	2049
1530A5	14	3900	402	2526	3.11	.02	3.09	-0.18	2.91	0	2050
1530A5	14	3950	387	2516	3.18	.07	3.11	-0.19	2.92	0	2051
1530A5	14	3950	369	2552	3.39	.12	3.27	-0.15	3.12	0	2052
1530A5	14	3950	382	2548	3.20	.05	3.15	-0.19	2.96	0	2053
1530A5	14	3900	463	1134	.49	.02	.47	-0.06	.41	0	2054
1530A5	14	3900	536	1002	5.07	-0.26	5.33	.64	5.67	42	2055
1530A5	14	3900	524	951	-1.35	-1.55	.20	.45	.55	42	2056
1530A5	14	3900	527	984	.24	.18	.06	.16	.22	42	2057
1530A5	14	3900	534	1040	6.20	-0.64	6.84	.86	7.70	42	2058
1530A5	14	3900	522	1105	-1.72	-1.26	-0.47	.44	-0.02	42	2059
1530A5	14	3900	525	1015	-1.33	-1.83	.50	.51	1.01	42	2060
1530A5	14	3900	525	1040	.64	-1.32	1.96	1.26	3.22	42	2061
1530A5	14	3900	450	1546	3.22	-0.01	3.23	-0.11	3.12	0	2062
1530A5	14	3900	426	1811	3.09	-0.07	3.15	-0.29	2.86	0	2063
1530A5	14	3900	424	2697	3.32	.02	3.30	-0.17	3.17	0	2064
1530A5	14	3900	466	2870	3.80	.06	3.74	-0.15	3.59	0	2065
1530A5	14	3900	520	939	5.17	-0.52	5.69	.89	6.58	42	2066
1530A5	14	3900	523	913	-1.67	-1.75	.08	.62	.70	42	2067
1530A5	14	3900	528	768	3.11	-0.10	3.21	-0.11	3.10	42	2068
1530A5	14	3900	540	815	.14	.03	.11	-0.02	.09	42	2069
1530A5	14	3900	550	826	6.60	.28	6.32	1.08	7.40	42	2070
1530A5	14	3900	542	727	-1.83	-1.15	-0.68	.40	-0.28	42	2071
1530A5	14	3900	540	817	.74	-1.58	2.32	.91	3.23	42	2072
1530A5	14	3900	537	788	-1.03	-2.21	1.18	.17	1.35	42	2073
1530A5	14	3900	541	803	.50	.15	.35	-0.51	-0.16	42	2074
1530A5	14	3900	402	2193	3.28	.0	3.28	-0.18	3.10	0	2075
1530A5	14	3900	424	2772	3.44	.11	3.33	-0.16	3.17	0	2076
1530A5	14	3900	497	1182	.50	.17	.33	.13	.46	0	2077
1530A5	14	3900	515	876	.30	-0.01	.31	.0	.21	0	2078

# ACCELEROMETER DATA

A/C SER.NO. 153085 FLT.NO. 14 DATE 5/28/70 FLT.TIME 00:05:00

6.00 7.00 8.50 10.00

COUNTS BEFORE FLT

16 9601 9544 9304

COUNTS AFTER FLT

.25 9607 9545 9304

DIFFERENCE

0 0 1 0

CG ACCEL.

0 2 0 0

FORE ACCEL.

0 1 0 0

AFT ACCEL.

0 0 1 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.00 THRESHOLD FOR THIS FLIGHT

A-209

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2004	5.30	4.99	5.95
2014	7.84	7.40	8.63
2024	6.69	6.10	6.25
2055	5.32	5.07	5.97
2058	6.84	6.20	7.70
2066	5.09	5.17	6.58
2070	6.32	6.60	7.40
2087	6.58	5.99	6.65
2101	6.49	6.10	7.02

NADC-72021 VT

ADC-72021 VT

BURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV, A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
153095	14	78000	530	768	.65	.36	.29	.34	.63	0	2079
153095	14	78000	463	1043	2.04	-0.09	3.13	-0.18	2.95	0	2080
153095	14	78000	360	4527	2.54	.06	3.48	-0.20	3.28	0	2081
153095	14	78000	384	4863	3.57	-0.06	3.63	-0.31	3.32	0	2082
153095	14	78000	472	3540	3.42	.06	3.76	-0.22	3.52	0	2083
153095	14	78000	485	1372	3.13	.06	3.07	-0.16	2.91	0	2084
153095	14	78000	506	754	.43	.02	.41	-0.02	.33	0	2085
153095	14	78000	400	750	.47	.11	.36	-0.02	.34	0	2086
153095	14	78000	501	789	.58	.34	.34	.26	.60	0	2087
153095	14	77500	467	518	.34	.08	.26	.04	.30	0	2088
153095	14	37800	471	1510	2.04	.01	3.03	-0.16	2.87	0	2089
153095	14	77500	444	2207	2.11	.15	2.96	-0.07	2.89	0	2090
153095	14	77500	467	5097	2.23	-0.01	3.24	-0.10	3.14	0	2091
153095	14	77500	402	4812	2.62	-0.16	3.78	-0.22	3.56	0	2092
153095	14	77500	466	3400	2.70	.09	4.61	-0.21	4.40	0	2093
153095	14	77500	510	2128	3.55	-0.04	3.59	-0.21	3.38	0	2094
153095	14	77500	566	790	.32	.03	.29	-0.16	.10	0	2095
153095	14	77500	556	802	.33	0	.33	-0.24	.09	0	2096
153095	14	77500	565	780	5.90	-0.56	6.58	.27	6.65	0	2097
153095	14	77500	561	816	-0.64	-0.10	-0.54	-0.31	-0.65	0	2098
153095	14	77500	566	518	-0.59	-0.14	-0.45	-0.51	-0.56	0	2099
153095	14	77500	570	767	2.12	-0.04	2.17	.23	2.40	0	2100
153095	14	77500	601	1002	6.10	-0.39	6.49	.53	7.02	0	2101
153095	14	77500	467	660	-0.00	-0.21	-0.71	-0.77	-1.48	0	2102
153095	14	77500	517	585	-0.06	-0.06	0	-0.31	-0.31	0	2103
153095	14	77500	522	855	2.55	.04	3.51	-0.16	3.35	0	2104
153095	14	77500	704	4246	2.20	.22	3.43	-0.42	3.01	0	2105
153095	14	76500	787	4275	3.04	-0.04	3.08	-0.16	2.92	0	2106
153095	14	75500	786	888	.46	.04	.42	-0.05	.27	0	2107
153095	14	75500	446	642	.42	.12	.30	.04	.24	0	2108
153095	14	75500	458	830	.60	.22	.37	.04	.41	0	2109
153095	14	42450	304	1765	.27	-0.01	.28	-0.04	.24	0	2101
153095	14	42450	402	1090	2.56	.02	3.54	-0.17	3.27	0	2002
153095	14	42450	405	812	2.13	.10	3.03	-0.15	2.88	0	2003
153095	14	42450	511	260	4.86	.06	4.76	-0.09	4.67	0	2004
153095	14	42100	488	511	2.14	.07	2.27	-0.09	2.18	0	2005
153095	14	42100	366	1377	2.90	.01	2.89	.16	3.04	0	2006
153095	14	43100	371	1592	3.13	.05	3.08	-0.05	3.03	0	2007
153095	14	43100	364	1600	3.12	.06	3.03	-0.10	2.93	0	2008
153095	14	43100	367	1600	3.10	.08	3.02	-0.10	2.92	0	2009
153095	14	43100	367	1525	3.14	.04	3.10	-0.09	3.01	0	2010
153095	14	43100	424	1188	2.40	.21	2.19	-0.08	2.11	0	2011
153095	14	43100	423	1106	2.92	.01	3.91	-0.15	3.76	0	2012
153095	14	43100	416	1025	2.10	.04	2.15	-0.09	2.06	0	2013
153095	14	43100	424	845	.51	.09	3.42	-0.18	3.24	0	2014

# NADC-72021 VT

CLASS NUMBER	FLIGHT NUMBER	GROSS WEIGHT	ECV. A/S (KNOTS)	ALTITUDE	NZ FORCE	NZ DIFF. (FORCE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153035	15	42000	534	366	5.64	-0.45	6.09	.73	6.82	31	2015
153035	15	42000	512	346	-1.12	-0.51	-0.61	-0.70	-1.31	31	2016
153035	15	42000	512	433	-0.67	.73	-0.61	-0.06	-1.46	31	2017
153035	15	42000	524	384	-0.49	.12	-0.61	-0.34	-0.95	31	2018
153035	15	42000	524	261	3.45	-0.16	3.61	-0.15	3.46	31	2019
153035	15	42000	530	434	7.02	-0.53	7.55	.50	6.05	34	2020
153035	15	42000	540	359	-1.00	-0.27	-0.73	-0.47	-1.20	34	2021
153035	15	42000	551	248	2.79	-0.02	-0.73	.46	3.27	34	2022
153035	15	42000	452	1002	2.21	.05	3.16	-0.27	2.89	34	2023
153035	15	42000	452	2179	4.05	.05	4.00	-0.15	3.85	34	2024
153035	15	42000	384	5453	3.07	-0.01	3.08	-0.17	2.91	34	2025
153035	15	42000	364	4463	3.15	-0.05	3.20	-0.14	3.06	0	2026
153035	15	42000	362	5875	3.27	.06	3.22	-0.05	3.17	0	2027
153035	15	42000	364	6802	3.02	.04	2.98	-0.12	2.86	0	2028
153035	15	42000	362	6456	3.27	.06	3.21	-0.12	3.09	0	2029
153035	15	42000	474	5531	3.12	.11	3.01	-0.12	2.89	0	2030
153035	15	42000	514	2704	3.40	-0.09	3.58	-0.05	3.53	0	2031
153035	15	42000	522	2221	3.66	0	3.66	-0.18	3.48	0	2032
153035	15	42000	527	1301	3.74	.05	3.69	-0.30	3.39	0	2033
153035	15	42000	522	409	5.00	-0.49	6.39	.57	6.56	43	2034
153035	15	42000	519	272	-1.34	-1.44	.06	.32	.29	43	2035
153035	15	42000	518	310	.71	-1.51	2.22	.96	3.18	43	2036
153035	15	42000	518	773	.61	.08	.53	-0.55	-0.02	43	2037
153035	15	42000	548	236	.21	0	.20	-0.05	.11	43	2038
153035	15	42000	558	259	6.10	-0.09	6.19	.56	6.75	44	2039
153035	15	42000	65	260	-0.64	-0.36	-0.28	-0.66	-0.94	34	2040
153035	15	42000	567	149	7.67	.02	3.65	.37	4.02	34	2041
153035	15	42000	568	124	.33	-0.17	.50	-0.67	-0.17	34	2042
153035	15	42000	531	622	5.60	.07	5.65	-0.21	5.45	34	2043
153035	15	42000	434	2705	3.75	-0.04	3.79	-0.10	3.69	34	2044
153035	15	42000	353	5229	.00	-0.07	.16	-0.01	.15	0	2045
153035	15	42000	341	4519	3.14	.03	3.11	-0.04	3.07	0	2046
153035	15	42000	364	4297	3.32	-0.02	3.34	-0.17	3.17	0	2047
153035	15	42000	413	3079	3.74	.04	4.47	-0.16	4.26	0	2048
153035	15	42000	426	1802	4.49	-0.02	3.76	-0.21	4.26	0	2049
153035	15	42000	409	1153	3.74	.03	4.09	-0.14	3.92	0	2050
153035	15	41000	409	507	4.12	.03	4.09	-0.17	3.92	0	2051
153035	15	41000	443	1449	4.50	.04	4.46	-0.13	4.33	0	2052
153035	15	41000	303	2488	3.90	.09	3.81	-0.12	3.69	0	2053
153035	15	41000	382	2627	3.84	-0.04	3.88	0	3.88	0	2054
153035	15	41000	308	2678	3.17	-0.14	3.31	-0.26	3.05	0	2055
153035	15	41000	407	2323	4.40	.04	4.36	-0.15	4.21	0	2056
153035	15	41000	441	878	3.19	-0.02	3.20	-0.02	3.12	0	2057
153035	15	41000	500	659	2.03	-0.16	3.09	-0.18	2.91	0	2058
153035	15	41000	305	4367	3.44	.04	3.44	-0.12	3.32	0	2059

NADC-72021 VT

BUFFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNCTS)	ALTITUDE	NZ FORE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCOE	SEQUENCE NUMBER
153045	15	41100	368	5930	3.31	.07	3.24	-0.05	3.15	0	2060
153045	15	40700	354	6050	3.06	.01	3.05	-0.10	2.95	0	2061
153045	15	40700	302	6210	3.20	-0.02	3.30	-0.14	3.16	0	2062
153045	15	40700	436	4895	3.10	-0.01	3.11	-0.06	3.05	0	2063
153045	15	40700	471	4142	2.69	.11	3.58	-0.12	3.45	0	2064
153045	15	40700	514	3232	3.68	-0.02	3.70	-0.11	3.59	0	2065
153045	15	40700	520	2414	4.11	-0.05	4.16	-0.14	4.04	0	2066
153045	15	40700	542	1819	3.86	.05	3.81	-0.16	3.65	0	2067
153045	15	40700	547	1241	4.21	0	4.23	-0.04	4.19	0	2068
153045	15	40700	538	611	3.54	.56	2.98	.53	3.51	0	2069
153045	15	40700	521	346	4.82	-0.50	5.32	.53	5.85	31	2070
153045	15	40700	521	359	-0.52	.08	-0.60	-0.17	-0.77	31	2071
153045	15	40700	524	371	-0.77	.20	-0.97	-0.60	-1.57	31	2072
153045	15	40700	530	346	-0.25	.07	-0.32	-0.22	-0.54	31	2073
153045	15	40700	531	371	-0.17	.11	-0.28	.20	-0.08	31	2074
153045	15	40700	545	261	5.68	-0.04	5.72	-0.10	5.62	0	2075
153045	15	40400	332	5559	2.88	-0.12	3.00	-0.12	2.88	0	2076
153045	15	40400	345	6453	3.17	.01	3.16	.02	3.19	0	2077
153045	15	40400	357	6449	3.27	-0.04	3.31	-0.11	3.20	0	2078
153045	15	40400	368	5498	3.13	-0.01	3.14	-0.09	3.05	0	2079
153045	15	40400	377	3662	4.33	.09	4.24	-0.12	4.06	0	2080
153045	15	40400	527	1754	4.18	.21	3.97	-0.02	3.95	0	2081
153045	15	40400	552	761	4.12	.10	4.02	-0.05	3.97	0	2082
153045	15	40400	554	460	5.91	-0.35	6.26	.32	6.55	42	2083
153045	15	40400	550	409	-0.91	-0.68	.07	.45	.52	42	2084
153045	15	40400	548	434	.73	-1.60	2.33	.83	3.16	42	2085
153045	15	40400	542	459	.59	-1.76	2.35	.70	3.05	42	2086
153045	15	40400	541	498	.69	-1.66	2.35	.79	3.14	42	2087
153045	15	40400	541	485	.45	.39	.07	-0.51	-0.44	42	2088
153045	15	40400	551	423	.66	-0.29	.95	-0.65	.10	42	2089
153045	15	40400	540	523	5.89	.08	5.81	-0.17	5.64	42	2090
153045	15	40400	415	3729	3.65	-0.02	3.67	-0.19	3.48	42	2091
153045	15	40400	301	4501	3.41	.05	3.36	0	3.26	42	2092
153045	15	40400	386	5219	3.53	.01	3.52	-0.12	3.40	42	2093
153045	15	40400	401	4525	4.13	.14	3.99	-0.05	3.94	0	2094
153045	15	40400	426	2701	3.74	.02	3.71	-0.15	3.56	0	2095
153045	15	40400	423	1742	3.23	-0.11	3.34	-0.11	3.23	0	2096
153045	15	40400	457	760	3.54	.06	3.48	-0.11	3.37	0	2097
153045	15	40400	517	359	5.53	-0.38	5.91	.82	6.74	34	2098
153045	15	40400	516	348	-1.12	-0.30	-0.73	-0.66	-1.42	34	2099
153045	15	40400	528	395	-0.80	-0.24	-0.56	-0.26	-0.84	34	2100
153045	15	40400	525	310	4.29	-0.07	4.36	.27	4.62	34	2101
153045	15	40400	541	260	.12	.05	.03	-0.35	-0.32	34	2102
153045	15	40400	541	360	5.53	.01	5.52	-0.10	5.42	34	2103
153045	15	40400	502	646	3.32	-0.02	3.34	-0.14	3.20	34	2104

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFI/CG)	NZ AFT	MANUEVER CCODE	SEQUENCE NUMBER
1530A5	15	40000	424	2128	4.02	.05	3.97	-0.12	3.85	34	2105
1530A5	15	40000	394	2524	3.35	.02	3.33	-0.13	3.20	0	2106
1530A5	15	39500	517	2301	5.24	.05	5.19	-0.13	5.06	31	2107
1530A5	15	39500	541	435	3.23	.10	3.13	-0.06	3.07	31	2108
1530A5	15	39500	534	495	5.37	-0.33	5.70	.56	6.26	31	2109
1530A5	15	39500	572	506	.02	.06	-0.04	-0.98	-1.02	31	2110
1530A5	15	39500	575	518	-0.86	0	-0.86	-0.65	-1.51	31	2111
1530A5	15	39500	541	482	-0.62	.20	-0.82	-0.15	-0.57	31	2112
1530A5	15	39500	542	750	.96	-0.10	1.06	-0.72	.34	31	2113
1530A5	15	39500	576	495	6.40	.01	6.39	-0.21	6.18	31	2114
1530A5	15	39500	351	6259	3.11	.07	3.04	-0.15	2.85	0	2115
1530A5	15	39500	328	6617	3.21	.05	3.16	-0.04	3.12	0	2116
1530A5	15	39100	347	6724	3.45	.07	3.38	-0.12	3.26	0	2117
1530A5	15	39100	371	6631	3.48	.03	3.45	-0.01	3.44	0	2118
1530A5	15	39100	465	6543	3.26	.15	3.11	-0.17	2.94	7	2119
1530A5	15	39100	549	1549	7.77	.01	7.76	-0.19	7.57	0	2120
1530A5	15	39100	574	683	3.93	.04	3.89	-0.20	3.69	0	2121
1530A5	15	39100	562	520	6.38	-0.28	6.66	.50	7.16	42	2122
1530A5	15	39100	547	547	-0.50	-0.90	.40	.25	.69	42	2123
1530A5	15	39100	554	524	.57	.15	.42	-0.88	-0.46	42	2124
1530A5	15	39100	552	525	-0.64	-1.30	.66	-0.89	-0.23	42	2125
1530A5	15	39100	511	747	4.57	.01	4.56	-0.12	4.44	42	2126
1530A5	15	39100	484	1213	3.12	.02	3.10	-0.12	2.92	42	2127
1530A5	15	39100	455	1924	3.76	0	3.76	-0.12	3.64	42	2128
1530A5	15	38800	352	2492	4.25	.01	4.14	-0.20	3.94	42	2129
1530A5	15	38800	369	6763	4.02	.12	3.90	-0.10	3.80	0	2130
1530A5	15	38800	400	6646	.48	.16	.32	-0.02	.20	0	2131
1530A5	15	38800	427	5715	3.12	.09	3.03	-0.17	2.86	0	2132
1530A5	15	38800	440	4628	3.26	.01	3.25	-0.09	3.16	0	2133
1530A5	15	38800	440	4074	3.30	.11	3.19	-0.02	3.17	0	2134
1530A5	15	38800	440	4074	3.16	.05	3.11	-0.11	3.00	0	2135
1530A5	15	38800	507	2822	4.81	.10	4.71	-0.22	4.45	0	2136
1530A5	15	38800	508	1015	3.54	.10	3.44	-0.04	3.40	0	2137
1530A5	15	38800	538	497	3.25	.03	3.22	-0.12	3.10	0	2138
1530A5	15	38800	532	458	5.41	-0.14	5.55	.38	5.93	34	2139
1530A5	15	38800	540	458	-1.32	-0.65	-0.67	-0.81	-1.48	34	2140
1530A5	15	38800	540	372	-0.99	-0.16	-0.83	-0.34	-1.17	34	2141
1530A5	15	38800	540	371	4.04	.15	3.89	.52	4.41	34	2142
1530A5	15	38800	550	594	5.32	-0.04	5.36	-.05	5.45	34	2143
1530A5	15	38800	513	1254	3.63	.10	3.53	-0.11	3.42	34	2144
1530A5	15	38800	466	1652	4.36	.09	4.27	-0.12	4.05	34	2145
1530A5	15	38800	442	1652	4.09	.09	4.00	-0.08	3.92	34	2146
1530A5	15	38800	375	4276	3.68	.05	3.63	-0.17	3.46	0	2147
1530A5	15	38400	352	5201	3.74	-0.06	3.80	-0.05	3.75	0	2148
1530A5	15	38400	396	4172	3.14	-0.06	3.20	-0.17	3.03	0	2149



# NADC-72021 VT

FLIGHT NUMBER	GRCS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FORCE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
152045	28400	443	2884	4.15	.14	4.01	-0.01	4.08	0	2150
152045	28400	507	290	3.55	.02	2.53	-0.12	2.25	0	2151
152045	28400	507	724	3.33	-0.01	3.34	-0.11	2.22	0	2152
152045	28400	461	1290	4.83	.14	4.69	-0.16	4.53	49	2153
152045	28400	236	2276	.07	.02	.05	-0.02	.02	49	2154
152045	28400	406	2759	5.09	.08	5.01	-0.25	4.76	45	2155
152045	28400	463	287	4.11	.09	4.02	-0.15	2.87	49	2156
152045	28400	443	433	.30	0	.30	-0.35	-0.05	49	2157
152045	28400	449	621	5.17	-0.04	5.21	-0.06	5.03	45	2158
152045	28400	450	1117	3.42	.15	3.23	.02	2.25	45	2159
152045	28400	451	1665	4.91	.10	4.81	-0.15	4.66	45	2160
152045	28400	427	2754	3.25	0	3.25	-0.02	2.23	49	2161
152045	28400	346	540	3.07	.07	3.00	-0.06	2.54	45	2162
152045	28400	340	7310	3.28	-0.05	3.33	-0.09	2.24	0	2163
152045	28400	372	6245	3.48	.04	3.44	-0.16	2.22	0	2164
152045	28400	355	6223	3.48	-0.04	3.12	-0.16	2.96	0	2165
152045	28400	431	4081	3.75	.05	3.70	-0.03	2.67	0	2166
152045	28400	422	1175	3.51	-0.02	3.53	-0.12	2.41	0	2167
152045	28400	422	1564	3.40	-0.12	3.52	-0.12	2.40	0	2168
152045	28400	427	1166	3.39	.03	3.26	-0.06	2.30	0	2169
152045	28400	450	274	2.88	.05	2.43	.01	2.44	0	2170
152045	28400	523	580	5.12	-0.57	5.69	.52	6.21	31	2171
152045	28400	523	54	-0.70	.23	-0.53	-0.44	-0.57	31	2172
152045	28400	527	645	-1.24	-0.04	-1.20	-0.05	-1.25	31	2173
152045	28400	532	598	-1.05	-0.76	-0.26	.21	-0.05	31	2174
152045	28400	528	622	.06	-0.01	.07	-0.87	-0.80	31	2175
152045	28400	528	685	-0.04	-0.14	.10	.44	.54	31	2176
152045	28400	545	346	5.15	-0.08	5.23	-0.09	5.14	31	2177
152045	28400	384	6048	3.27	.07	3.20	-0.12	2.07	0	2178
152045	28400	520	2594	2.05	-0.07	2.12	-0.06	2.06	0	2179
152045	28400	527	1258	4.00	.09	3.91	-0.03	2.82	0	2180
152045	28400	529	737	3.56	.04	3.52	-0.05	2.47	0	2181
152045	28400	531	521	5.57	-0.48	6.05	.46	6.51	42	2182
152045	28400	527	497	-1.14	-1.75	.61	.40	1.01	42	2183
152045	28400	524	522	.04	-1.82	1.86	1.72	3.55	42	2184
152045	28400	521	523	.34	.20	.14	-0.58	-0.44	42	2185
152045	28400	522	463	1.39	-0.08	1.27	-0.96	.21	42	2186
152045	28400	444	531	5.84	.12	5.72	-0.16	5.54	42	2187
152045	28400	444	2386	3.74	.08	3.70	-0.16	3.54	42	2188
152045	28400	325	7231	2.20	.02	3.18	-0.02	2.16	0	2189
152045	28400	306	4733	-0.99	-0.17	-0.82	-0.39	-1.21	0	2190
152045	28400	410	2803	4.44	-0.02	4.46	-0.10	4.26	0	2191
152045	28400	466	1234	2.30	.07	3.23	-0.10	2.17	0	2192
152045	28400	471	936	3.58	.13	3.45	-0.02	2.43	0	2193
152045	28400	520	595	5.37	-0.39	5.76	.71	6.47	34	2194

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ACCELEROMETER DATA

A/C SER.NO. 15304S FLT.NO. 15 DATE 5/28/70 FLT.TIME .72HRS.

6.80 7.00 8.50 10.00

COUNTS BEFORE FLT 25 5607 9545 5304

COUNTS AFTER FLT 42 5612 9546 5304

PREFERENCE 17 6 1 0

CG ACCEL. 11 1 0 0

FCRE ACCEL. 0 1 0 0

AFT ACCEL. 15 4 0 0

INDIVIDUAL DATA POINTS EXCEEDING 5.8G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

2015	6.09	5.64	6.02
2020	7.55	7.02	8.05
2024	6.35	5.90	6.56
2029	6.19	6.10	6.75
2070	5.32	4.82	5.85
20A3	6.26	5.91	6.59
2090	5.81	5.89	5.64
2098	5.61	5.53	6.74
2109	5.70	5.37	6.26
2114	6.39	6.40	6.18
2127	6.66	6.38	7.16
2139	5.55	5.41	5.93
2171	5.69	5.12	6.21
2182	6.05	5.57	6.51
2187	5.72	5.84	5.54
2194	5.76	5.37	6.47
2198	5.84	5.71	5.93

# NADC-72021 VT

PURCH NUMBER	FLIGHT NUMBER	CROSS WEIGHT	ENV. A/S (KNOTS)	ALTITUDE	NZ FCRE	N2 DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	N2 AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	15	37100	516	546	-1.34	-0.75	-0.59	-0.40	-0.99	34	2155
153045	15	37100	529	440	3.19	-0.04	3.23	.12	3.26	34	2156
153045	15	37100	541	398	3.29	.04	3.25	-.02	3.23	34	2197
153045	15	37100	541	435	5.71	-0.13	5.84	.08	5.92	34	2198
153045	15	37100	402	2360	3.17	.02	3.15	.04	3.19	34	2199
153045	15	37100	402	2360	3.39	.07	3.32	-.05	3.23	0	2200
153045	15	37100	365	519	3.47	-0.01	3.65	-0.14	3.51	0	2201
153045	15	37100	407	519	3.64	.08	3.34	-0.06	3.28	0	2202
153045	15	37100	501	540	4.01	.07	3.94	-0.12	3.81	0	2203
153045	15	37100	471	472	.44	.14	.30	-.03	.27	0	2204
153045	15	37100	456	1250	4.95	.05	4.90	-0.17	4.73	49	2205
153045	15	37100	215	2422	-0.52	.10	-0.62	.08	-0.54	49	2206
153045	15	37100	353	4875	3.97	.13	3.97	-0.05	3.92	49	2207
153045	15	37100	405	2533	4.05	.03	3.92	-0.15	3.77	49	2208
153045	15	37100	450	1572	3.55	.03	3.52	-0.14	3.38	49	2209
153045	15	37100	214	330	-0.17	-0.17	0	-0.07	-0.07	0	1001
153045	15	37100	322	775	3.36	.25	3.11	.05	3.16	0	1002
153045	15	37100	177	635	-0.40	.13	-0.53	.26	-0.27	0	1003
153045	15	37100	326	5525	.19	-0.13	.32	-.03	.29	0	1004
153045	15	37100	352	3577	.22	.13	.09	-0.01	.08	0	1005
153045	15	37100	470	1787	4.47	.22	4.18	-0.11	4.07	0	1006
153045	15	37100	452	1112	4.13	.12	4.01	-.28	4.21	0	1007
153045	15	37100	464	762	4.04	.13	3.91	-0.15	3.76	0	1008
153045	15	37100	465	1402	5.16	.21	4.95	-0.21	4.74	0	1009
153045	15	37100	325	4817	-0.13	-0.60	.47	.24	.71	0	1010
153045	15	37100	310	5410	.74	.12	.61	-.72	-0.12	0	1011
153045	15	37100	369	7553	3.90	.17	3.73	-0.06	3.67	35	1012
153045	15	37100	457	890	4.88	.26	4.62	-0.08	4.54	35	1013
153045	15	37100	470	396	.54	.22	.32	.09	.41	35	1014
153045	15	37100	474	677	5.63	.15	5.48	-0.25	5.23	35	1015
153045	15	37100	237	7865	.26	.04	.22	-0.06	.16	0	1016
153045	15	37100	322	6119	.31	.13	.18	.02	.21	0	1017
153045	15	37100	481	2978	3.15	.03	3.12	-0.07	3.05	0	1018
153045	15	37100	498	1508	3.74	.02	3.36	-0.20	3.16	0	1019
153045	15	37100	513	562	3.36	.13	3.23	-0.15	3.08	0	1020
153045	15	37100	519	826	3.93	.15	3.78	-0.07	3.71	0	1021
153045	15	37100	552	1217	6.96	.30	6.66	-0.28	6.38	0	1022
153045	15	37100	473	3540	-2.36	-1.54	-0.82	.28	-0.54	30	1023
153045	15	37100	429	4666	.41	-4.77	5.18	.60	5.78	30	1024
153045	15	37100	387	5948	-0.95	-4.83	3.87	.75	4.62	30	1025
153045	15	37100	204	8235	.73	.42	.31	-.18	.12	30	1026
153045	15	37100	246	4691	.0	0	0	-0.14	-0.14	30	1027
153045	15	37100	349	6041	3.23	.12	3.10	-0.11	2.99	0	1028
153045	15	37100	351	3735	.40	.32	.08	.20	.28	38	1029
153045	15	37100	374	7638	3.66	.05	3.61	.03	3.64	38	1030

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE.	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	MANUEVER CODE	SEQUENCE NUMBER
1520A5	1F	41850	440	2019	.12	.10	.02	.05	20	1031
1520A5	1F	41850	504	824	4.56	.15	4.41	-0.08	20	1032
1520A5	1F	41850	512	430	3.21	.06	3.15	-0.34	20	1033
1520A5	1F	41850	500	269	.59	.04	.55	-0.11	20	1034
1520A5	1F	41850	501	504	5.64	.19	5.45	-0.22	20	1035
1520A5	1F	41850	247	5481	-0.79	-0.51	-0.28	.15	20	1036
1520A5	1F	41850	316	4037	.44	.15	.25	-0.32	20	1037
1520A5	1F	41850	425	1948	4.22	.22	4.00	-0.14	0	1038
1520A5	1F	41850	455	773	4.28	.13	4.15	-0.15	0	1039
1520A5	1F	41850	472	294	.17	-0.28	.45	-0.63	40	1040
1520A5	1F	41850	482	616	6.31	.08	6.23	-0.24	40	1041
1520A5	1F	41850	384	2953	3.43	-0.07	3.50	-0.15	40	1042
1520A5	1F	41850	372	4470	3.24	.11	3.13	-0.11	40	1043
1520A5	1F	41850	354	5174	3.50	.10	3.40	-0.14	40	1044
1520A5	1F	41850	349	5836	3.57	-0.05	3.62	-0.10	40	1045
1520A5	1F	41850	407	3263	.49	.10	.30	.04	40	1046
1520A5	1F	41850	444	2448	3.07	-0.01	3.08	.26	40	1047
1520A5	1F	41850	501	551	3.64	.04	3.60	-0.11	40	1048
1520A5	1F	41850	507	677	3.97	.09	3.88	-0.22	40	1049
1520A5	1F	41850	526	367	3.33	-0.18	3.51	.97	37	1050
1520A5	1F	41850	525	416	-2.20	-0.61	-1.59	-0.65	37	1051
1520A5	1F	41850	546	344	2.47	-0.58	3.05	-0.24	37	1052
1520A5	1F	41850	549	410	6.54	.04	6.50	-0.18	37	1053
1520A5	1F	41850	390	3040	3.35	.08	3.27	-0.12	37	1054
1520A5	1F	40550	524	1873	4.55	.15	4.40	-0.20	31	1055
1520A5	1F	40550	543	476	5.62	-0.46	6.08	.50	31	1056
1520A5	1F	40550	545	478	-0.48	-0.02	-0.46	-0.62	31	1057
1520A5	1F	40550	545	600	-1.24	.0	-1.24	.16	31	1058
1520A5	1F	40550	549	477	-0.61	-0.16	-0.45	-0.06	31	1059
1520A5	1F	40550	525	775	5.93	-0.09	6.02	-0.40	31	1060
1520A5	1F	40550	207	8267	.53	.09	.44	.02	0	1061
1520A5	1F	40550	336	3376	.22	.08	.14	.0	0	1062
1520A5	1F	40550	369	4951	2.58	.05	2.53	-0.12	0	1063
1520A5	1F	40550	391	3898	.44	.14	.30	-0.08	0	1064
1520A5	1F	40550	449	2979	2.40	.03	2.37	-0.15	0	1065
1520A5	1F	40550	481	1822	4.72	.01	4.69	-0.32	0	1066
1520A5	1F	40550	508	898	3.76	.07	3.69	.0	0	1067
1520A5	1F	40550	508	404	7.46	-0.24	7.70	.46	42	1068
1520A5	1F	40550	528	417	-1.14	-1.04	-0.14	.41	42	1069
1520A5	1F	40550	526	700	.06	.39	-0.33	-0.40	42	1070
1520A5	1F	40550	531	739	.30	.04	.26	-0.02	42	1071
1520A5	1F	40550	538	627	.35	-0.30	.65	-0.82	42	1072
1520A5	1F	40550	529	763	4.50	.15	4.35	-0.23	42	1073
1520A5	1F	39500	267	8230	.46	.10	.36	.02	0	1074
1520A5	1F	39500	344	6927	.35	.10	.25	-0.06	0	1075

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SURFAC NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	MANUEVER CODE	SEQUENCE NUMBER
153045	1F	19500	384	5600	.16	.02	.14	-0.02	0	1076
153045	1F	19500	422	2530	3.70	.03	3.67	-0.15	0	1077
153045	1F	19500	421	2627	4.09	-0.01	4.10	3.52	0	1078
153045	1F	19500	441	1580	5.24	.10	5.14	3.60	0	1079
153045	1F	19500	453	799	3.37	.03	3.34	4.89	0	1080
153045	1F	19500	476	453	.44	.06	.35	3.33	0	1081
153045	1F	19500	522	480	6.65	-0.29	6.94	7.32	24	1082
153045	1F	19500	516	578	-1.02	.02	-1.04	-1.72	34	1083
153045	1F	19500	525	502	-1.01	-0.09	-0.92	-1.50	34	1084
153045	1F	19500	524	440	4.50	-0.17	4.67	5.02	34	1085
153045	1F	19500	542	378	1.23	.45	.78	.66	34	1086
153045	1F	19500	544	529	7.85	.04	7.81	7.73	34	1087
153045	1F	19500	382	2767	.42	.09	.33	.32	0	1088
153045	1F	19500	382	2770	.54	.21	.33	.47	0	1089
153045	1F	19500	325	1528	3.24	-0.16	3.40	3.29	0	1090
153045	1F	19500	482	552	6.11	-0.33	6.33	6.64	22	1091
153045	1F	19500	487	575	.84	.24	-0.76	-1.26	22	1092
153045	1F	19500	480	612	-1.23	-0.14	-0.70	-0.59	22	1093
153045	1F	19500	480	703	-1.23	.09	-1.32	-0.17	22	1094
153045	1F	19500	487	698	-1.34	-0.20	-1.14	-1.45	22	1095
153045	1F	19500	507	598	-1.09	.56	-1.65	-0.50	22	1096
153045	1F	19500	507	489	-1.03	-0.19	.16	-0.46	22	1097
153045	1F	19500	520	640	7.28	-0.02	7.30	7.34	22	1098
153045	1F	19500	388	2255	.70	.07	.77	.44	0	1099
153045	1F	19500	388	3023	3.21	-0.16	3.37	3.14	0	1100
153045	1F	19500	465	1812	5.82	.17	5.65	5.47	25	1101
153045	1F	19500	281	5092	-0.26	-0.36	.10	.29	25	1102
153045	1F	19500	282	5735	.62	.05	.57	.15	25	1103
153045	1F	19500	381	4559	-0.43	-0.27	-0.06	.22	25	1104
153045	1F	19500	386	3284	4.38	.11	4.38	4.22	25	1105
153045	1F	19500	414	1518	4.45	.08	4.34	4.19	25	1106
153045	1F	19500	436	839	6.15	.12	6.03	5.92	25	1107
153045	1F	19500	447	561	3.53	.12	3.41	5.76	25	1108
153045	1F	19500	385	1177	.35	.15	.20	3.23	25	1109
153045	1F	19500	213	5801	.42	.09	.33	.20	0	1110
153045	1F	19500	243	5653	3.37	.02	3.35	.27	0	1111
153045	1F	19500	412	2715	4.09	.12	3.97	3.27	0	1112
153045	1F	19500	441	1062	.54	.11	.43	3.82	0	1113
153045	1F	19500	465	441	.54	.11	.43	.24	0	1114
153045	1F	19500	503	427	.54	.09	.43	.27	0	1115
153045	1F	19500	542	415	.31	.09	.34	.25	0	1116
153045	1F	19500	542	416	.03	.03	.22	.17	0	1117
153045	1F	19500	527	428	5.76	-0.10	5.46	-0.24	40	1118
153045	1F	19500	527	502	3.27	.02	3.25	5.31	40	1119
153045	1F	19500	338	2582				3.12	0	1120

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BUREAU NUMBER	FLIGHT NUMBER	CROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
152085	16	37450	341	2050	3.72	.10	3.62	-0.11	3.51	0	1121
152085	16	37450	336	1551	3.43	.03	3.40	-0.17	3.27	0	1122
152085	16	37450	336	1643	-0.08	-0.07	-0.01	.01	0	0	1123
152085	16	37450	360	1720	.37	.21	.16	.16	.32	0	1124
152085	16	37000	307	5908	.46	.06	.40	.01	.41	0	1125
152085	16	37000	208	8176	.45	.15	.30	.10	.40	0	1126
152085	16	37000	485	812	3.25	-0.14	3.39	-0.09	3.20	0	1127
152085	16	37000	471	1155	3.66	-0.08	3.94	-0.21	3.73	0	1128
152085	16	37000	454	1630	3.70	.02	3.77	-0.21	3.56	0	1129
152085	16	37000	429	2070	4.34	.04	4.26	-0.15	4.11	0	1130
152085	16	37000	388	5845	3.82	.02	3.74	-0.12	3.62	0	1131
152085	16	37000	377	5058	3.70	-0.20	3.40	-0.16	3.24	0	1132
152085	16	37000	165	9217	.44	.05	.35	.08	.43	0	1133
152085	16	36500	328	5653	3.24	-0.03	3.27	-0.14	3.13	0	1134
152085	16	36500	372	3713	3.33	.06	3.27	-0.21	3.06	0	1135
152085	16	36500	394	2692	3.24	-0.10	3.34	-0.22	3.12	0	1136
152085	16	36500	411	1518	3.77	-0.03	3.80	-0.17	3.62	0	1137
152085	16	36500	417	1385	3.21	0	3.21	-0.05	3.16	0	1138
152085	16	36500	419	1164	3.12	-0.02	3.14	-0.12	3.01	0	1139
152085	16	36500	417	975	3.06	-0.15	3.21	-0.31	2.90	0	1140
152085	16	36500	416	754	3.14	0	3.14	-0.02	3.12	0	1141
152085	16	36500	191	6501	.50	.07	.43	-0.04	.39	0	1142
152085	16	36500	176	6876	.39	.06	.33	-0.04	.29	0	1143
152085	16	36500	164	7189	.42	.09	.35	0	.32	0	1144
152085	16	36500	160	7373	.37	.22	.15	.15	.24	0	1145
152085	16	36500	358	4787	.55	.21	.34	-0.10	.24	0	1146
152085	16	35500	254	3537	.37	.04	.33	-0.03	.20	0	1147
152085	16	35500	240	3877	.21	.20	.01	-0.02	.20	0	1148
152085	16	35500	302	1779	-0.08	0	-0.08	.05	-0.03	0	1149
152085	16	35500	307	2899	.34	.02	.26	.01	.27	0	1150
152085	16	35500	305	3408	.38	-0.03	.41	-0.01	.40	0	1151
152085	16	35500	337	2970	3.19	-0.01	3.20	-0.12	3.08	0	1152
152085	16	35500	386	2268	4.31	.11	4.20	-0.18	4.02	0	1153
152085	16	35500	432	1497	4.24	.06	4.18	-0.25	3.93	0	1154
152085	16	35500	461	1075	3.71	.06	3.65	-0.15	3.46	0	1155
152085	16	35500	486	850	3.66	.14	3.52	-0.13	3.39	0	1156
152085	16	35500	532	640	.21	.07	.14	-0.15	-0.01	0	1157
152085	16	35500	524	616	3.17	-0.23	3.50	1.07	4.57	45	1158
152085	16	35500	526	713	-2.35	.69	-3.04	.22	-2.81	45	1159
152085	16	35500	529	728	-1.72	.69	-2.32	.59	-2.01	45	1160
152085	16	35500	531	652	3.87	-0.10	3.97	.06	4.03	45	1161
152085	16	35500	524	729	-1.10	-0.04	-1.04	-0.13	-1.17	45	1162
152085	16	35500	507	879	-1.46	.16	-1.62	.15	-1.43	45	1163
152085	16	35500	405	702	.21	.20	.01	-0.57	-0.56	45	1164
152085	16	35500	504	701	5.03	-1.22	5.25	-0.23	5.02	45	1165

# ACCELEROMETER DATA

A/C SER.NO. 153005 FLT.NO. 16 DATE 5/24/70 FLT.TIME .58PRS.

COUNTS BEFORE FLT 6.00 7.00 8.50 10.00

COUNTS AFTER FLT 9506 9508 9542 9304

DIFFERENCE 12 5 1 0

CG ACCEL. 12 5 0 0

FORE ACCEL. 12 5 1 0

AFT ACCEL. 11 5 0 0

NADC-72021 NT

INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1022	6.66	6.96	6.38
1041	6.23	6.31	5.99
1053	6.50	6.54	6.32
1056	6.08	5.62	6.58
1060	6.02	5.93	5.62
1068	7.70	7.46	6.16
1073	6.25	6.50	6.12
1082	6.94	6.65	7.13
1087	7.01	7.85	7.72
1091	6.32	6.00	6.64
1098	7.30	7.28	7.34
1101	5.65	5.82	5.47
1106	6.02	6.15	5.76
1177	8.15	8.45	7.67

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PURFAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	16	35450	486	766	5.01	.16	4.85	-0.16	4.69	45	1166
153045	16	35150	378	2262	2.27	-0.03	3.20	-0.05	3.25	0	1167
153045	16	35150	378	1873	2.87	-0.19	3.06	.04	3.10	0	1168
153045	16	34450	304	1289	3.06	.10	2.96	0	2.96	0	1169
153045	16	34450	151	6253	-0.17	.26	-0.43	.20	-0.23	0	1170
153045	16	34450	286	2939	3.52	.10	3.43	-0.10	3.33	0	1171
153045	16	34450	306	716	3.34	.07	3.27	-0.14	3.12	0	1172
153045	16	34450	200	2132	.66	.13	.53	-0.06	.47	0	1173
153045	16	33450	497	713	.35	.15	.20	-0.06	.14	0	1174
153045	16	33450	551	552	4.49	.03	4.45	-0.17	4.68	60	1175
153045	16	33450	546	564	-0.90	-1.00	1.00	-0.12	.88	60	1176
153045	16	33450	543	886	8.45	.30	8.15	-0.16	7.97	60	1177
153045	16	33450	388	1103	3.24	.02	3.15	-0.02	3.12	60	1178
153045	16	33450	277	1428	.43	.03	.40	.02	.42	60	1179
153045	17	43450	432	855	3.36	.14	3.22	-0.16	3.06	45	1001
153045	17	43450	417	1411	3.46	.14	3.32	-0.14	3.18	45	1002
153045	17	43450	403	1515	3.39	.10	3.29	-0.15	3.14	45	1003
153045	17	43450	281	5347	-0.11	-0.45	.34	.16	.53	45	1004
153045	17	43450	267	5843	.47	.05	.42	-0.65	.13	45	1005
153045	17	43450	206	8611	-0.70	.05	-0.70	.03	-0.67	0	1006
153045	17	43450	344	4743	4.90	-0.05	4.05	.02	4.07	0	1007
153045	17	43450	354	3780	3.67	-0.06	3.73	-0.15	3.58	0	1008
153045	17	43450	360	3277	3.84	.13	3.71	-0.14	3.57	0	1009
153045	17	43450	378	2697	3.67	.08	3.59	-0.15	3.44	0	1010
153045	17	43450	367	2003	3.68	.01	3.57	-0.12	3.44	0	1011
153045	17	43450	415	1324	3.20	.05	3.15	-0.25	2.90	0	1012
153045	17	43450	463	346	.40	-0.31	.71	-0.71	0	0	1013
153045	17	43450	467	741	5.55	.20	5.38	-0.23	5.15	40	1014
153045	17	43450	484	3012	3.63	-0.03	3.66	-0.17	3.49	30	1015
153045	17	43450	510	2181	4.30	.14	4.16	-0.11	4.05	30	1016
153045	17	43450	510	1007	3.82	.05	3.47	-0.12	3.24	30	1017
153045	17	43450	514	780	4.12	.06	4.06	0	4.06	30	1018
153045	17	43450	504	543	3.94	-0.04	3.98	-0.22	3.76	30	1019
153045	17	43450	508	1577	5.04	.16	4.88	-0.22	4.66	30	1020
153045	17	43450	441	3556	-1.56	-1.32	-0.24	.44	.20	30	1021
153045	17	43450	407	5193	3.36	.80	2.47	3.70	6.17	30	1022
153045	17	43450	281	8218	.63	.47	.16	-0.17	-0.01	0	1023
153045	17	43450	275	8962	-0.57	-0.19	-0.38	-0.35	-0.73	0	1024
153045	17	43450	321	8159	3.09	-0.03	3.12	-0.16	2.93	0	1025
153045	17	43450	374	5738	3.43	.10	3.33	.09	3.42	0	1026
153045	17	43450	331	5051	3.52	.03	3.49	-0.11	3.38	0	1027
153045	17	42700	266	5496	.22	.15	.07	.01	.02	0	1028
153045	17	42700	423	921	3.24	.07	3.17	-0.22	2.94	0	1029
153045	17	42700	423	666	5.16	-0.01	5.17	-0.31	4.86	0	1030
153045	17	42400	260	6586	-0.55	-0.29	-0.37	.08	-0.29	0	1031



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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNCTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	N7 CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153005	17	42000	345	4773	.16	.05	.11	0	.11	0	1032
153005	17	42000	461	1422	3.47	.04	3.39	-0.12	3.21	0	1033
153005	17	42000	473	1044	3.46	.05	3.41	-0.12	3.28	0	1034
153005	17	42000	480	507	3.34	.06	3.28	-0.12	3.10	0	1035
153005	17	42000	468	507	3.98	.05	3.93	-0.32	3.61	0	1036
153005	17	42000	510	720	-1.04	-0.04	0	-0.45	-0.49	38	1037
153005	17	42000	461	1045	5.19	-0.01	5.20	-0.32	4.88	38	1038
153005	17	42000	412	4478	4.73	.12	4.52	-0.17	4.35	38	1039
153005	17	42000	350	5535	3.55	.02	3.47	-0.12	3.34	0	1040
153005	17	42000	344	6283	3.35	.13	3.22	-0.16	3.06	0	1041
153005	17	42000	328	6584	3.05	-0.05	3.14	-0.35	2.79	0	1042
153005	17	42000	377	4751	3.66	.15	3.51	-0.10	3.41	0	1043
153005	17	42000	408	3794	3.34	.08	3.26	-0.18	3.08	0	1044
153005	17	42000	440	2355	3.35	.02	3.33	.02	3.36	0	1045
153005	17	42000	484	1373	3.25	.02	3.23	-0.12	3.07	0	1046
153005	17	42000	404	1136	3.58	-0.07	3.65	-0.36	3.29	0	1047
153005	17	42000	465	118	3.85	.11	3.74	-0.12	3.56	0	1048
153005	17	42000	523	295	2.87	-0.36	3.53	.91	4.44	37	1049
153005	17	42000	522	307	-2.17	.22	-2.39	-0.64	-3.03	37	1050
153005	17	42000	522	284	1.12	.26	.86	-1.04	-0.18	37	1051
153005	17	42000	534	632	5.44	0	5.44	-0.31	5.13	37	1052
153005	17	41550	341	5784	-0.05	.04	-0.09	-0.05	-0.14	0	1053
153005	17	41550	475	1574	3.19	.03	3.16	-0.23	2.93	0	1054
153005	17	41550	487	1707	3.51	0	3.51	-0.12	3.39	0	1055
153005	17	41550	403	783	4.44	.11	4.37	-0.27	4.10	0	1056
153005	17	41550	525	396	4.95	-0.36	5.31	.12	5.49	31	1057
153005	17	41550	522	370	-0.92	.01	-0.93	-0.74	-1.67	31	1058
153005	17	41550	541	532	-1.83	.32	-2.15	.15	-1.96	31	1059
153005	17	41550	542	321	.32	-0.22	.54	-0.82	-0.29	31	1060
153005	17	41550	553	272	.09	.13	-0.04	.14	.10	31	1061
153005	17	41550	528	571	5.84	.14	5.74	-0.62	.04	31	1062
153005	17	41550	486	669	5.14	-0.72	5.86	-0.24	5.60	31	1063
153005	17	41550	482	370	-1.66	-1.27	-0.39	.74	6.60	43	1064
153005	17	41550	482	407	1.37	-1.10	2.47	.35	0	43	1065
153005	17	41550	482	782	-0.47	-2.40	2.93	1.14	3.61	43	1066
153005	17	41550	486	407	-0.35	-2.95	2.60	.14	3.07	43	1067
153005	17	41550	486	381	.55	.05	.50	.80	3.40	43	1068
153005	17	41550	448	.072	5.77	-0.21	5.56	-0.47	.03	43	1069
153005	17	40700	380	6468	3.30	-0.12	3.51	-0.17	3.34	43	1070
153005	17	40700	470	5005	4.19	.07	4.12	-0.11	3.90	0	1071
153005	17	40700	448	4193	3.43	.05	3.38	-0.18	3.20	0	1072
153005	17	40700	486	2662	4.67	.11	4.32	-0.25	4.07	0	1073
153005	17	40700	502	1896	3.98	.08	3.90	-0.12	3.72	0	1074
153005	17	40700	505	1454	4.23	.04	4.19	-0.12	4.01	0	1075

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SUR. NO.	FLIGHT NUMBER	GRASS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCPE	N2 DIFF. (FCRF-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153045	17	40700	505	698	3.57	.09	3.48	-0.04	3.44	0	1077
153045	17	40700	502	655	3.11	-0.07	3.18	-0.10	3.02	0	1078
153045	17	40700	512	304	.48	.14	.34	-0.19	.15	0	1079
153045	17	40700	522	507	6.40	-0.50	6.90	.16	7.06	34	1080
153045	17	40700	519	407	-1.05	.21	-1.26	-0.11	-1.37	34	1081
153045	17	40700	532	295	-0.75	-0.13	-0.62	-0.55	-1.17	34	1082
153045	17	40700	536	221	4.27	-0.15	4.42	.45	4.27	34	1083
153045	17	40700	546	222	.69	-0.05	.74	-0.65	.89	34	1084
153045	17	40700	543	321	5.94	0	5.98	-0.15	5.83	34	1085
153045	17	40700	467	617	5.95	-0.15	6.10	.16	6.26	32	1086
153045	17	40700	463	415	.30	.12	.18	-0.48	-0.30	32	1087
153045	17	40700	456	517	-0.83	-0.30	-0.53	-0.70	-1.23	32	1088
153045	17	40700	465	665	-1.73	-0.04	-1.69	.20	-1.49	32	1089
153045	17	40700	473	653	-0.35	-0.14	-0.21	-0.83	-1.04	32	1090
153045	17	40700	477	654	-1.20	-0.05	-1.15	.02	-1.12	32	1091
153045	17	40700	453	517	.01	-0.04	.05	.15	.20	32	1092
153045	17	40700	501	657	6.77	.27	6.10	-0.23	6.27	32	1093
153045	17	40700	353	5543	2.50	.04	3.46	-0.20	3.26	0	1094
153045	17	39150	250	3618	.29	.02	.20	.02	.23	0	1095
153045	17	39150	356	2691	3.44	.10	3.38	-0.12	3.26	0	1096
153045	17	39150	420	1146	3.36	0	3.36	-0.18	3.18	0	1097
153045	17	39150	483	766	3.19	.06	3.13	-0.07	3.06	49	1098
153045	17	39150	478	766	5.13	.17	4.96	-0.22	4.74	49	1099
153045	17	39150	334	3482	3.94	.13	3.85	.04	3.89	0	1100
153045	17	39150	345	2110	3.44	.14	3.30	-0.01	3.29	0	1101
153045	17	39150	352	1641	2.68	.15	2.53	.03	2.56	0	1102
153045	17	39150	427	641	4.33	.06	4.27	-0.35	3.92	0	1103
153045	17	39150	383	1259	4.58	.11	4.47	-0.04	4.43	0	1104
153045	17	39150	376	2120	3.48	-0.04	3.52	-0.04	3.48	0	1105
153045	17	39150	318	2325	3.23	.10	3.13	-0.04	3.12	0	1106
153045	17	39150	381	1183	3.32	-0.04	3.36	-0.20	3.16	0	1107
153045	17	39150	566	282	.31	.45	-0.14	-0.12	-0.23	0	1108
153045	17	39150	604	13	.53	.10	.43	-0.10	.33	0	1109
153045	17	39150	368	3124	2.24	.06	3.18	-0.22	2.96	0	1110
153045	17	39150	396	6461	-0.02	.02	-0.04	-0.05	-0.09	0	1111
153045	17	39150	283	6733	.19	-0.03	.22	-0.15	.07	0	1112
153045	17	39150	478	1143	2.93	.02	3.91	-0.16	3.75	0	1113
153045	17	39150	431	1449	2.99	-0.08	3.07	.14	3.21	0	1114
153045	17	39150	431	1793	2.33	-0.14	3.47	-0.09	3.38	0	1115
153045	17	39150	307	2447	3.18	-0.03	3.21	-0.04	3.17	0	1116
153045	17	39150	365	2772	2.94	-0.16	3.14	-0.28	2.86	0	1117
153045	17	39150	357	2780	3.24	.09	3.15	-0.05	3.06	0	1118
153045	17	39150	152	6219	.44	.15	.29	0	.25	0	1119
153045	17	39150	358	4626	3.74	.05	3.25	-0.07	3.18	0	1120
153045	17	39150	374	3525	3.09	-0.06	3.15	-0.17	2.98	0	1121

# ACCELEROMETER DATA

A/C SER.NO.-153095 FLT.NO. 17 DATE 6/ 2/70 FLT.TIME .75HRS.

CG 6.8G 7.0G 8.5G 10.0G  
COUNTS BEFORE FLT 45 9814 9546 5304  
COUNTS AFTER FLT .51 9816 9546 5304

DIFFERENCE 6 2 0 0

CG ACCEL. 5 1 0 0

FORE ACCEL. 5 0 0 0

AFT ACCEL. 6 1 0 0

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INDIVIDUAL DATA POINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO.	CG ACCEL.	FORE ACCEL.	AFT ACCEL.
1.22	2.67	3.36	6.17
1.43	5.74	5.00	5.50
1.64	5.26	5.14	6.00
1.85	6.98	6.60	7.00
1.96	5.98	5.50	5.83
2.17	6.18	5.95	6.26
2.38		6.37	6.67

## NADC-72021 VT

BURAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CCOE	SEQUENCE NUMBER
1530A9	17	38100	422	1928	3.30	-0.10	3.40	-0.14	3.26	0	1122
1530A9	17	38100	427	679	3.09	-0.08	3.17	-0.01	3.16	0	1123
1530A9	17	38100	342	2586	.61	.28	.33	-0.10	.23	0	1124
1530A9	17	38100	292	6052	.49	.15	.34	-0.16	.16	0	1125
1530A9	17	38100	269	7061	.37	.16	.21	0	.21	0	1126
1530A9	17	38100	245	7827	.52	.18	.35	-0.08	.22	0	1127
1530A9	17	38100	232	8517	.39	.12	.26	-0.02	.24	0	1128
1530A9	17	38100	401	4138	2.01	-0.09	3.10	0	3.10	0	1129
1530A9	17	38100	320	3790	.57	.12	.45	-0.15	.20	0	1130
1530A9	17	37600	400	1683	2.40	-0.18	3.58	.08	3.66	0	1131
1530A9	17	37600	358	2250	.54	.15	.35	-0.10	.25	0	1132
1530A9	17	37600	269	8750	.36	.17	.19	.02	.32	0	1133
1530A9	17	37650	369	3711	2.64	.15	3.45	-0.04	3.41	0	1134
1530A9	17	37050	340	3938	3.30	-0.03	3.42	-0.12	3.28	0	1135
1530A9	18	42132	407	2273	2.22	.11	2.11	-0.04	2.07	0	2001
1530A9	18	41732	422	1844	2.64	.15	2.53	.01	2.54	0	2003
1530A9	18	41732	429	1502	2.65	.17	2.48	.02	2.50	0	2004
1530A9	18	41732	432	1252	2.55	.11	2.44	0	2.44	0	2005
1530A9	18	41732	442	1075	2.36	.11	2.25	-0.01	2.24	0	2006
1530A9	18	41732	455	5995	3.17	.08	3.09	-0.16	2.92	0	2007
1530A9	18	41732	285	5995	1.66	-0.19	1.85	.34	2.19	0	2008
1530A9	18	41732	358	4150	3.79	.06	3.73	-0.04	3.69	49	2009
1530A9	18	41732	380	2235	2.48	.14	2.34	-0.04	2.30	49	2010
1530A9	18	41732	391	1513	2.24	.30	1.98	.16	2.17	49	2011
1530A9	18	41732	420	1224	2.36	.02	2.34	.02	2.37	49	2012
1530A9	18	41732	435	953	2.18	.16	3.02	-0.06	2.94	49	2013
1530A9	18	41732	457	547	2.58	.11	2.47	-0.04	2.42	49	2014
1530A9	18	41732	455	979	5.36	.21	5.15	-0.25	4.90	49	2015
1530A9	18	41732	352	4561	2.79	.12	2.66	-0.12	2.52	49	2016
1530A9	18	41732	315	5995	2.79	.22	2.46	.09	2.54	49	2017
1530A9	18	40832	367	5506	2.70	.08	2.22	-0.04	2.12	0	2018
1530A9	18	40832	423	4278	2.91	.22	2.69	.05	2.74	0	2019
1530A9	18	40832	468	2215	2.82	.07	2.76	-0.07	2.69	0	2020
1530A9	18	40832	455	2432	3.12	.12	3.01	.01	2.92	0	2021
1530A9	18	40832	514	2037	2.42	.08	2.35	.01	2.36	0	2022
1530A9	18	40832	524	1522	2.49	.12	2.37	-0.02	2.35	0	2023
1530A9	18	40832	534	1520	5.35	.09	5.26	-0.32	4.94	30	2024
1530A9	18	40832	456	4286	-0.50	-0.46	-0.84	.48	.44	30	2025
1530A9	18	40832	391	7178	.57	-3.72	4.30	.46	4.76	30	2026
1530A9	18	40832	274	10268	-0.02	-0.07	.05	-0.20	-0.15	30	2027
1530A9	18	40832	305	5841	2.39	.11	2.28	.01	2.29	30	2028
1530A9	18	40832	329	7532	2.95	.12	2.83	-0.06	2.77	30	2029
1530A9	18	40832	335	5713	3.37	.03	3.34	-0.21	3.13	0	2030
1530A9	18	40832	334	5562	3.11	-0.06	3.17	-0.30	2.87	0	2031

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
152005	1A	40832	335	5397	3.29	.06	3.23	-0.10	3.17	0	2022
152005	1A	40832	340	5675	2.57	.12	2.45	.07	2.52	0	2023
152005	1A	40832	428	3718	2.93	.27	2.66	.06	2.75	0	2024
152005	1A	40832	456	1732	3.25	.11	3.09	-0.18	2.91	0	2025
152005	1A	40832	505	1318	3.16	.03	3.17	-0.04	3.13	0	2026
152005	1A	40832	517	1038	3.84	.03	3.81	-0.04	3.77	0	2027
152005	1A	40832	507	495	4.7	.18	4.59	-0.02	4.66	0	2028
152005	1A	40832	525	706	5.29	.09	5.20	-0.20	5.10	0	2029
152005	1A	40832	206	7622	.17	.02	.09	.11	.20	0	2030
152005	1A	40832	252	6924	-0.23	.23	.10	.35	.45	0	2031
152005	1A	40832	344	5023	.25	.14	.24	.09	.33	0	2032
152005	1A	40832	441	1836	2.95	.06	2.89	-0.06	2.95	0	2033
152005	1A	40832	455	1153	3.17	.26	2.91	-0.05	2.91	0	2034
152005	1A	40832	465	525	3.09	.04	3.05	-0.05	3.00	0	2035
152005	1A	40832	485	668	4.68	.15	4.53	.50	5.03	0	2036
152005	1A	40832	335	4070	3.23	.11	3.12	-0.04	3.08	0	2037
152005	1A	40832	335	4950	3.26	.12	3.13	-0.02	3.10	0	2038
152005	1A	40832	306	5147	2.35	.08	2.37	-0.07	2.30	0	2039
152005	1A	40832	301	5560	2.63	.05	2.55	.01	2.56	0	2040
152005	1A	40832	288	7509	2.28	.02	2.23	.12	2.24	0	2041
152005	1A	40832	312	6748	2.75	.12	2.64	.02	2.72	0	2042
152005	1A	40832	406	3832	2.32	.17	2.15	-0.01	2.14	0	2043
152005	1A	40832	453	2088	3.01	.14	2.87	.10	2.97	0	2044
152005	1A	40832	464	1394	2.47	.10	2.37	-0.02	2.34	0	2045
152005	1A	40832	466	1165	2.56	.12	2.43	-0.04	2.39	0	2046
152005	1A	40832	488	500	3.16	.10	3.06	-0.20	2.86	0	2047
152005	1A	40832	520	568	2.69	.18	2.59	.82	3.69	0	2048
152005	1A	40832	533	604	-4.10	.51	-3.59	-0.15	-3.78	0	2049
152005	1A	40832	542	775	-1.45	.09	-1.54	.20	-1.34	0	2050
152005	1A	40832	544	604	.81	.87	2.68	.31	2.99	0	2051
152005	1A	40832	550	653	-0.75	.44	-1.19	-0.10	-1.29	0	2052
152005	1A	40832	553	645	5.18	.21	4.97	.31	5.28	0	2053
152005	1A	40832	575	3812	2.73	.05	2.68	.04	2.72	0	2054
152005	1A	40832	317	5833	2.96	.07	2.89	-0.06	2.82	0	2055
152005	1A	40832	266	7476	2.09	.09	2.00	.18	2.18	0	2056
152005	1A	39682	314	5560	2.23	.12	2.11	.02	2.19	0	2057
152005	1A	39682	382	4641	2.73	.14	2.59	-0.01	2.58	0	2058
152005	1A	39682	382	2775	2.58	.12	2.46	-0.15	2.45	0	2059
152005	1A	39682	415	1729	3.45	.12	3.33	-0.10	3.23	0	2060
152005	1A	39682	507	714	4.79	.44	5.23	-0.10	5.05	0	2061
152005	1A	39682	514	812	-1.83	.49	-2.32	-0.06	-2.22	0	2062
152005	1A	39682	520	727	-1.55	.56	-2.11	-0.02	-2.14	0	2063
152005	1A	39682	536	620	2.40	.36	2.14	.28	2.32	0	2064

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BURAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FORE	N2 DIFF. (FCR-CG)	NZ CG	N2 DIFF. (AFT/CC)	NZ AF1	MANUEVER CODE	SEQUENCE NUMBER
152095	1A	39682	540	620	5.23	.15	5.10	-0.09	5.09	31	2077
152095	1A	39682	391	2272	2.82	.12	2.70	.02	2.72	0	2078
152095	1A	39682	346	4081	2.93	.14	2.79	-0.12	2.77	0	2079
152095	1A	39682	312	6044	2.57	.15	2.38	-0.05	2.33	0	2080
152095	1A	39682	373	5775	2.73	-0.06	2.79	-0.21	2.58	0	2081
152095	1A	39682	421	3771	2.23	.06	2.17	.01	2.18	0	2082
152095	1A	39682	571	959	2.67	.06	2.91	-0.07	2.84	0	2083
152095	1A	39682	542	781	3.14	.01	2.13	-0.17	2.56	0	2084
152095	1A	39682	559	947	-0.04	-0.04	6.42	1.02	7.44	42	2085
152095	1A	39682	543	1075	-0.04	.75	-0.79	.04	-0.75	42	2086
152095	1A	39682	544	1171	-0.34	.27	-0.61	-0.18	-0.79	42	2087
152095	1A	39682	520	1253	5.09	.15	5.70	-0.26	5.44	42	2088
152095	1A	39682	475	2276	2.58	.05	2.53	-0.01	2.52	0	2089
152095	1A	39682	420	2810	3.41	-0.07	3.44	-0.27	3.17	0	2090
152095	1A	39682	366	5227	3.23	.19	3.04	-0.05	2.99	0	2091
152095	1A	39682	346	5839	2.29	.06	3.17	-0.25	2.92	0	2092
152095	1A	39682	276	8488	2.23	.12	2.11	.07	2.30	0	2093
152095	1A	39682	308	6678	2.23	.12	2.11	-0.02	2.19	0	2094
152095	1A	39682	382	4498	.25	.12	.17	.08	.21	0	2095
152095	1A	39682	470	2897	2.90	.12	2.78	-0.02	2.76	0	2096
152095	1A	39682	438	1178	4.26	.05	4.21	-0.29	3.92	0	2097
152095	1A	39682	505	731	5.45	-0.12	5.63	.10	5.73	24	2098
152095	1A	39682	507	680	-0.53	-0.55	.02	-0.11	-0.09	24	2099
152095	1A	39682	521	720	-0.54	.12	-0.66	.01	-0.65	24	2100
152095	1A	39682	527	610	4.27	.13	4.14	.34	4.48	24	2101
152095	1A	39682	542	697	5.54	-0.14	5.68	-0.01	5.67	24	2102
152095	1A	39682	473	1276	4.94	.21	4.73	-0.12	4.55	24	2103
152095	1A	39682	312	2342	2.48	.05	2.43	-0.05	2.38	0	2104
152095	1A	39682	479	2701	2.28	.06	2.22	.01	2.23	0	2105
152095	1A	39682	400	2458	2.31	.13	2.18	-0.07	2.15	0	2106
152095	1A	39682	482	1767	2.24	.07	2.21	-0.08	2.12	0	2107
152095	1A	39682	492	1767	2.20	.15	2.01	.17	2.11	0	2108
152095	1A	39682	477	1820	2.32	-0.11	2.43	-0.07	2.38	0	2109
152095	1A	39682	477	1942	.47	.22	.25	.02	.27	0	2110
152095	1A	39682	477	2204	4.08	-0.23	4.31	-0.47	3.88	0	2111
152095	1A	39682	453	2149	3.43	.18	3.25	-0.07	3.18	0	2112
152095	1A	39682	444	2828	3.55	.27	3.28	.04	3.32	0	2113
152095	1A	39682	436	1935	2.34	.11	3.23	-0.12	3.10	0	2114
152095	1A	39682	420	1823	2.19	.28	2.91	.07	2.98	0	2115
152095	1A	39682	436	1709	4.27	.20	4.07	-0.11	3.96	0	2116
152095	1A	39682	452	1743	4.04	.03	4.01	-0.22	3.79	0	2117
152095	1A	39682	493	839	6.03	-0.03	6.06	-0.09	5.97	31	2118
152095	1A	39682	482	741	0	.48	-0.48	.21	-0.27	33	2119
152095	1A	39682	486	840	-1.21	-0.05	-1.16	-0.45	-1.61	33	2120
152095	1A	39682	463	971	-2.10	-0.10	-2.09	.11	-1.89	33	2121

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SURFAU NUMBER	FLIGHT NUMBER	GRCSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153005	1P	30632	406	587	-1.26	-0.06	-1.20	-0.55	-1.25	22	2122
153005	1P	30632	501	561	-0.76	.06	-0.96	-0.41	-1.27	22	2123
153005	1P	30632	506	537	-1.24	.08	-1.30	-0.01	-1.21	22	2124
153005	1P	30632	510	216	-0.07	.17	-0.24	-0.12	-0.26	22	2125
153005	1P	30632	524	646	5.64	.16	5.52	-0.23	5.29	22	2126
153005	1P	30632	407	233	2.72	.01	2.71	-0.16	2.55	22	2127
153005	1P	30632	405	222	2.70	.02	2.67	-0.15	2.52	22	2128
153005	1P	30632	305	3049	2.80	.15	2.65	.14	2.75	22	2129
153005	1P	30632	370	4610	2.65	.02	2.63	-0.02	2.55	22	2130
153005	1P	30632	325	6896	2.36	.10	2.26	-0.07	2.19	22	2131
153005	1P	30632	305	7061	2.58	.13	2.43	-0.10	2.33	22	2132
153005	1P	30632	332	6267	2.24	.06	2.22	-0.06	2.16	22	2133
153005	1P	30632	420	7537	2.74	.09	2.69	-0.10	2.59	22	2134
153005	1P	30632	460	2462	2.95	.16	2.79	-0.01	2.78	22	2135
153005	1P	30632	470	1608	2.83	.13	2.70	.02	2.72	22	2136
153005	1P	30632	470	740	3.84	.09	3.75	-0.20	3.55	22	2137
153005	1P	30632	481	555	3.34	.29	3.05	.10	3.15	22	2138
153005	1P	30632	463	1451	5.56	.19	5.37	-0.24	5.12	45	2139
153005	1P	30632	232	8473	-0.35	.14	-0.49	.15	-0.34	49	2140
153005	1P	30632	225	691	.45	.26	.19	.18	.27	45	2141
153005	1P	30632	341	6426	4.05	.05	4.00	.06	4.06	49	2142
153005	1P	30632	305	4226	3.99	-0.41	4.40	-0.51	3.89	49	2143
153005	1P	30632	445	2351	4.56	.25	4.31	-0.12	4.19	45	2144
153005	1P	30632	472	1174	3.95	.16	3.77	-0.11	3.66	49	2145
153005	1P	30632	461	595	2.66	-0.07	2.73	-0.06	2.67	49	2146
153005	1P	30632	404	531	6.58	.15	6.43	-0.26	6.17	49	2147
153005	1P	30632	415	1447	2.16	.02	2.14	-0.24	2.90	0	2148
153005	1P	30632	359	2424	2.90	.16	2.82	.01	2.83	0	2149
153005	1P	30632	705	7656	2.73	.05	2.68	.06	2.74	0	2150
153005	1P	30632	266	5421	2.21	.09	2.12	.06	2.18	0	2151
153005	1P	30632	312	4174	2.80	.27	2.53	.11	2.64	0	2152
153005	1P	30632	377	2021	3.97	.07	3.90	.10	4.00	0	2153
153005	1P	30632	341	2056	3.37	.19	3.18	.10	3.00	0	2154
153005	1P	30632	341	2201	1.44	.05	3.39	.05	3.27	0	2155
153005	1P	30632	339	2260	2.00	-0.13	3.21	-0.37	2.84	0	2156
153005	1P	30632	304	2324	2.31	.05	2.22	-0.05	2.17	0	2157
153005	1P	30632	304	2307	2.31	.19	2.12	.25	2.37	0	2158
153005	1P	30632	310	1570	2.66	.05	2.61	-0.16	2.65	0	2159
153005	1P	30632	321	1780	2.94	.10	2.84	-0.07	2.65	0	2160
153005	1P	30632	322	1489	2.04	.14	2.80	-0.11	2.65	0	2161
153005	1P	30632	356	1052	2.21	-0.02	2.23	-0.01	2.22	0	2162
153005	1P	30632	417	954	2.87	.21	2.66	.02	2.62	0	2163
153005	1P	30632	421	1203	2.48	.16	2.32	.04	2.36	0	2164
153005	1P	30632	706	6395	2.09	.0	2.09	.01	2.10	0	2165
153005	1P	30632	341	7643	2.15	.02	2.13	.02	2.16	0	2166

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BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EOV. A/S (KNOTS)	ALTITUDE	NZ FORF	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
152005	1P	37432	354	7326	2.23	.08	2.15	.02	2.17	0	2167
152005	1P	37432	465	3751	2.20	.11	2.09	.02	2.22	0	2168
152005	1P	37432	506	2311	2.09	-.01	2.12	.02	2.20	0	2169
152005	1P	37432	522	1439	2.58	.11	2.47	.12	2.59	0	2170
152005	1P	37432	529	1194	2.03	.02	2.35	-.05	2.30	0	2171
152005	1P	37432	528	1691	2.03	.02	2.08	.02	2.10	0	2172
152005	1P	37432	526	1010	1.88	-.05	2.07	.10	2.17	0	2173
152005	1P	37432	527	542	2.85	-.02	2.87	.08	2.95	0	2174
152005	1P	37432	525	362	2.61	-.02	2.82	.05	2.77	0	2175
152005	1P	37432	512	1194	2.81	-.05	3.90	-.12	3.78	0	2176
152005	1P	37432	509	1244	2.14	-.05	3.27	-.08	3.19	0	2177
152005	1P	37432	499	1587	2.32	.17	3.15	.18	3.33	0	2178
152005	1P	37432	485	1958	2.54	.15	3.41	-.02	3.39	0	2179
152005	1P	37432	469	2176	2.43	.04	3.39	-.07	3.32	0	2180
152005	1P	37432	445	2166	2.58	.21	3.37	-.06	3.31	0	2181
152005	1P	37432	367	4667	2.08	.10	2.98	-.14	2.84	0	2182
152005	1P	37432	365	6738	2.95	.13	2.82	.02	2.84	0	2183
152005	1P	37432	340	6716	2.24	.11	2.23	.05	2.28	0	2184
152005	1P	37432	146	11742	.34	.16	.18	.12	.20	0	2185
152005	1P	37432	152	11851	.37	.17	.20	.07	.27	0	2186
152005	1P	37432	177	13285	.49	.26	.23	.16	.36	0	2187
152005	1P	37432	364	6205	2.01	.07	2.94	-.07	2.87	0	2188
152005	1P	37432	307	4701	3.76	.16	3.60	-.12	3.48	0	2189
152005	1P	37432	416	2798	2.36	.15	3.21	-.11	3.10	0	2190
152005	1P	37432	434	7025	3.06	-.04	3.10	-.08	3.02	0	2191
152005	1P	37432	445	2475	3.02	-.04	3.06	-.13	2.93	0	2192
152005	1P	37432	448	2089	2.98	.18	2.80	.17	2.67	0	2193
152005	1P	37432	449	1801	2.55	.05	3.50	-.12	3.37	0	2194
152005	1P	37432	450	1572	3.32	.16	3.16	-.05	3.11	0	2195
152005	1P	37432	450	1532	2.95	.06	2.89	.02	2.92	0	2196
152005	1P	37432	442	1483	3.03	-.06	3.16	-.17	2.99	0	2197
152005	1P	37432	432	1592	2.56	-.12	2.61	.01	2.62	0	2198
152005	1P	37432	427	1722	2.56	-.07	2.49	.16	2.65	0	2199
152005	1P	37432	417	1958	2.78	.22	2.56	-.02	2.54	0	2200
152005	1P	37432	407	2350	2.62	-.02	2.64	-.11	2.53	0	2201
152005	1P	37432	362	2696	2.72	.01	2.71	-.06	2.65	0	2202
152005	1P	37432	374	2128	2.29	.06	2.22	.13	2.36	0	2203
152005	1P	37432	350	2750	2.34	.05	2.29	-.14	2.15	0	2204
152005	1P	37432	296	5468	2.45	.04	2.41	-.12	2.29	0	2205
152005	1P	37432	306	4512	2.45	.11	2.34	-.02	2.31	0	2206
152005	1P	37432	321	4679	2.60	.12	2.68	-.19	2.76	0	2207
152005	1P	37432	355	3550	2.91	-.10	3.01	-.03	2.82	0	2208
152005	1P	37432	370	7127	2.54	.07	2.47	-.02	2.44	0	2209
152005	1P	37432	377	2649	2.68	.10	2.58	.07	2.65	0	2210
152005	1P	37432	386	2416	2.43	.07	2.36	.01	2.37	0	2211



# ACCELEROMETER DATA

A/C SER. NO. 153025 FLT. AC. 18 DATE 6/ 3/70 FLT. TIME 1.09HRS.

6.86 7.86 8.56 12.00

COUNTS BEFORE FLT 51 9616 9546 9364

COUNTS AFTER FLT 57 9617 9546 9364

DIFFERENCE 6 1 0 0

CG ACCEL. 3 0 0 0

FCRE ACCEL. 5 0 0 0

AFT ACCEL. 3 1 0 0

NADC-72021 VT

INDIVIDUAL DATA POINTS EXCEEDING 9.0E THRESHOLD FOR THIS FLIGHT

SEC. NO. - CG ACCEL. FCRE ACCEL. AFT ACCEL.

2085	6.42	6.38	7.44
2090	5.73	5.89	5.44
2118	6.06	6.03	5.97
2147	6.42	6.50	6.17
2245	6.77	5.68	5.58
2247	5.84	6.21	5.78

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	FCV. A/S (KNOTS)	ALTITUDE	NZ FORE.	NZ DIFF. (FORE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
153005	10	37472	300	203M	2.20	.00	2.12	.05	2.17	0	2212
153005	10	36032	407	1274	2.77	.03	2.74	-0.15	2.59	0	2213
153005	10	36032	302	1706	2.31	.09	2.22	.20	2.42	0	2214
153005	10	36032	348	2862	2.03	-0.01	2.04	.12	2.17	0	2215
153005	10	36032	372	2724	.52	.35	.17	.12	.29	0	2216
153005	10	36032	312	4144	.49	.23	.26	.07	.23	0	2217
153005	10	36032	308	4583	.50	.33	.17	.06	.23	0	2218
153005	10	36032	302	2476	2.43	-0.12	2.55	.06	2.61	0	2219
153005	10	36032	300	1558	2.54	.04	2.54	-0.07	2.47	0	2220
153005	10	36032	407	1575	2.45	.11	2.34	.05	2.39	0	2221
153005	10	36032	414	1200	2.83	.37	2.46	.13	2.59	0	2222
153005	10	36032	410	1169	2.23	.04	2.19	.07	2.26	0	2223
153005	10	36032	412	1160	2.34	.04	2.34	-0.06	2.28	0	2224
153005	10	36032	409	1166	1.99	.01	1.98	.20	2.12	0	2225
153005	10	36032	404	1265	2.20	.06	2.23	.04	2.27	0	2226
153005	10	36032	406	1402	2.46	.02	2.44	.04	2.29	0	2227
153005	10	36032	307	1744	2.47	.14	2.29	-0.15	2.20	0	2228
153005	10	36032	307	2174	2.40	.10	2.30	-0.06	2.24	0	2229
153005	10	36032	367	5574	.37	.17	.20	.02	.22	0	2230
153005	10	36032	263	6565	2.25	.12	2.13	-0.03	2.10	0	2231
153005	10	36032	330	6136	2.30	.08	2.22	.01	2.23	0	2232
153005	10	36032	372	5289	2.94	-0.08	3.02	-0.16	2.86	0	2233
153005	10	36032	392	4901	2.95	.14	2.81	-0.06	2.75	0	2234
153005	10	36032	411	4174	2.00	.15	2.86	.01	2.89	0	2235
153005	10	36032	424	3672	2.37	.14	2.26	.10	2.07	0	2236
153005	10	36032	435	3556	2.92	.11	2.75	.03	2.78	0	2237
153005	10	36032	370	1502	2.32	.15	.17	.14	.21	0	2238
153005	10	36032	352	2292	.32	.21	.04	.05	.13	0	2239
153005	10	36032	342	4035	.40	.27	.13	.23	.36	0	2240
153005	10	36032	341	2674	.26	.20	.06	.15	.21	0	2241
153005	10	36032	426	1017	2.32	.10	2.22	-0.09	2.13	0	2242
153005	10	36032	406	764	.44	.31	.13	.16	.25	0	2243
153005	10	36032	408	812	5.68	-1.09	6.77	-1.27	5.50	60	2244
153005	10	36032	407	247	-0.25	-0.21	-0.04	.62	.59	60	2245
153005	10	36032	506	1056	6.21	.37	5.84	-0.14	5.70	60	2246
153005	10	36032	350	1411	2.30	.14	3.12	-0.10	2.02	60	2247
153005	10	46142	223	-110	.04	-0.41	.45	.15	.20	0	1001
153005	10	44500	410	727	-0.01	-0.02	.01	.02	.04	0	1002
153005	10	44500	442	655	.46	.03	.43	.01	.44	0	1003
153005	10	44500	526	73	.55	.11	.44	.02	.47	31	1004
153005	10	44500	544	61	4.09	.07	4.82	.52	5.24	31	1005
153005	10	44500	544	25	-1.21	-0.69	-0.52	-0.47	-0.55	31	1006
153005	10	44500	546	109	-1.65	-0.50	-1.15	-0.72	-1.27	31	1007
153005	10	44500	551	146	-1.74	-0.51	-1.23	.60	-0.63	31	1008

# NADC-72021 VT

BUREAU NUMBER	FLIGHT NUMBER	GROSS WEIGHT	EQV. A/S (KNOTS)	ALTITUDE	NZ FCRE	NZ DIFF. (FCRE-CG)	NZ CG	NZ DIFF. (AFT/CG)	NZ AFT	MANUEVER CODE	SEQUENCE NUMBER
1530A5	19	44000	557	110	-0.95	-0.33	-0.62	.61	-0.01	31	1009
1530A5	19	44500	564	423	0.21	.10	0.03	-0.35	7.68	31	1010
1530A5	19	42650	496	495	4.34	.07	4.27	-0.14	4.13	37	1011
1530A5	19	42650	464	482	4.04	-0.12	4.16	-0.15	4.01	37	1012
1530A5	19	42650	468	302	.15	-0.23	.38	.15	.53	37	1013
1530A5	19	42650	403	229	.49	.16	.33	-0.16	.17	37	1014
1530A5	19	42650	519	123	3.09	-0.39	3.08	-0.05	2.03	37	1015
1530A5	19	42650	546	50	6.44	-0.71	6.83	.31	7.14	37	1016
1530A5	19	42650	547	26	-1.34	-0.27	-0.67	-0.64	-1.31	37	1017
1530A5	19	42650	562	50	-0.66	-0.27	-0.39	-0.51	-0.50	37	1018
1530A5	19	42650	564	2	4.40	-0.27	4.67	.95	5.62	37	1019
1530A5	19	42650	565	182	7.22	-0.27	7.49	-0.72	6.76	37	1020
1530A5	19	41050	446	398	3.44	.07	3.37	-0.09	3.28	37	1021
1530A5	19	41050	493	2	.52	.03	.49	-0.09	.40	37	1022
1530A5	19	41050	511	14	5.96	-0.23	6.19	.28	6.47	37	1023
1530A5	19	41050	511	38	-0.08	.16	-0.24	-0.22	-0.46	37	1024
1530A5	19	41050	510	145	-0.72	.25	-0.97	.07	-0.50	37	1025
1530A5	19	41050	513	193	-1.37	-0.23	-1.14	-0.32	-1.47	37	1026
1530A5	19	41050	517	229	-1.55	-0.07	-1.48	.02	-1.48	37	1027
1530A5	19	41050	518	229	-1.40	-0.17	-1.23	-0.22	-1.21	37	1028
1530A5	19	41050	521	253	-1.74	-0.23	-1.51	-0.22	-1.74	37	1029
1530A5	19	41050	525	229	-1.65	-0.03	-1.57	.38	-1.13	37	1030
1530A5	19	41050	533	169	-0.48	-0.03	-0.45	-0.40	-0.45	37	1031
1530A5	19	41050	537	57	3.66	-0.06	3.72	-0.03	3.69	37	1032
1530A5	19	41050	539	302	6.72	.21	6.51	-0.14	6.37	37	1033
1530A5	19	41050	486	349	3.13	-0.02	3.15	-0.05	3.10	37	1034
1530A5	19	41050	347	374	.43	-0.22	.65	.15	.80	37	1035
1530A5	19	40500	331	229	.41	.20	.21	.08	.29	37	1036
1530A5	19	40050	600	-57	.27	.07	.20	.02	.22	37	1037
1530A5	19	40500	504	-33	4.65	.12	4.54	.04	4.58	37	1038
1530A5	19	40500	435	691	3.96	.04	3.92	-0.11	3.81	37	1039
1530A5	19	40050	375	588	3.17	.02	3.15	.05	3.24	37	1040
1530A5	19	39500	373	1039	2.75	-0.08	2.83	.0	2.83	37	1041
1530A5	19	39500	352	1137	3.08	-0.18	3.26	-0.09	2.17	37	1042
1530A5	19	36000	313	1567	2.95	.02	2.97	-0.04	2.82	37	1043
1530A5	19	36400	479	551	4.35	-0.98	5.33	-0.58	4.63	60	1044
1530A5	19	36400	479	527	-1.28	-1.21	-0.07	.01	-0.06	60	1045
1530A5	19	36400	474	798	5.73	.14	5.59	-0.14	5.45	60	1046

# ACCELEROMETER DATA

A/C SER.NO. 153085 FLT.NO. 15 DATE 6/7/70 FLT.TIME 045HRS.

8.00 7.00 8.50 10.00

COUNTS BEFORE FLT 57 9617 9546 9304

COUNTS AFTER FLT 62 9620 9546 9304

DIFFERENCE 5 3 0 0

CG ACCEL. 5 5 0 0

FORE ACCEL. 5 2 0 0

AFT ACCEL. 5 2 0 0

INDIVIDUAL DATA FCINTS EXCEEDING 5.0G THRESHOLD FOR THIS FLIGHT

SEC. NO. CG ACCEL. FORE ACCEL. AFT ACCEL.

1010	8.03	8.21	7.68
1016	6.82	6.44	7.34
1020	7.49	7.22	6.76
1023	6.19	5.96	6.47
1032	6.51	6.72	6.27

NADC-72021 VT

**NADC-72021-VI**

**APPENDIX B**

**NORMAL LOAD FACTOR DISTRIBUTION BY AIRSPEED BANDS**

## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT CG ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	49	50	99	100	149	150	200	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	0	0	1	27	138	293	273	159	92	13	0	0	0	996	36.2
3.50 TC 3.99	0	0	0	0	0	0	0	6	45	155	196	145	87	8	0	0	0	642	23.3
4.00 TC 4.49	0	0	0	0	0	0	0	3	14	56	94	95	45	8	0	0	0	315	11.5
4.50 TC 4.99	0	0	0	0	0	0	0	1	6	26	35	67	25	12	0	0	0	176	6.4
5.00 TC 5.49	0	0	0	0	0	0	0	0	4	18	29	67	68	5	0	0	0	191	6.9
5.50 TC 5.99	0	0	0	0	0	0	0	0	1	6	15	52	70	4	0	0	0	148	5.4
6.00 TC 6.49	0	0	0	0	0	0	0	0	1	1	9	40	67	10	0	0	0	128	4.7
6.50 TC 6.99	0	0	0	0	0	0	0	0	0	1	11	18	43	5	0	0	0	78	2.8
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	1	9	23	5	0	0	0	41	1.5
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	3	0	17	2	0	0	0	22	.8
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	0	1	7	3	0	0	0	11	.4
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	3	.1
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL COUNTS	0	0	0	0	0	0	1	37	209	556	670	653	547	78	0	0	0	2751	100.0

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# FIADC-72021-VT

.49 TC .25	0	0	37	66	63	100	116	124	74	109	110	14	7	0	0	820	39.3
.24 TC 0	0	3	23	30	52	63	57	46	52	56	68	5	2	0	0	457	21.5
-0.01 TC -0.25	0	0	0	13	29	25	25	10	17	40	35	4	0	0	0	283	9.7
-0.26 TC -0.50	0	0	3	10	19	15	8	12	10	30	38	6	0	0	0	151	7.2
-0.51 TC -0.75	0	0	7	10	11	6	3	7	5	28	52	6	0	0	0	135	6.5
-0.76 TC -1.00	0	0	0	2	3	5	0	6	4	13	32	2	0	0	0	67	3.2
-1.01 TC -1.50	0	0	0	2	4	1	0	5	4	45	52	10	0	0	0	127	6.1
-1.51 TC -2.00	0	0	0	0	0	2	0	7	4	20	37	2	0	0	0	72	3.5
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	4	22	2	0	0	0	33	1.6
-2.51 TC -3.00	0	0	0	0	0	0	0	2	1	2	10	0	0	0	0	15	.7
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3	.1
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	.1
BELOW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	3	75	133	181	217	209	223	171	353	460	51	5	0	0	2085	100.0

## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT FCR ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	49	50	100	140	150	200	250	300	350	400	450	500	550	600	650	700	SUB- UP	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	0	0	27	134	284	261	167	88	12	0	0	0	0	373 35.6
3.50 TC 3.99	0	0	0	0	0	0	7	48	157	201	136	84	8	0	0	0	0	641 23.5
4.00 TC 4.49	0	0	0	0	0	0	4	14	55	94	101	44	8	0	0	0	0	320 11.7
4.50 TC 4.99	0	0	0	0	0	0	1	4	23	43	70	35	10	0	0	0	0	186 6.8
5.00 TC 5.49	0	0	0	0	0	0	0	6	16	22	59	55	6	0	0	0	0	168 6.1
5.50 TC 5.99	0	0	0	0	0	0	0	2	11	18	61	85	6	0	0	0	0	183 6.7
6.00 TC 6.49	0	0	0	0	0	0	0	0	2	11	33	65	8	0	0	0	0	123 4.5
6.50 TC 6.99	0	0	0	0	0	0	0	1	0	0	19	38	9	0	0	0	0	75 2.7
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	3	8	25	6	0	0	0	0	42 1.5
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	2	1	6	1	0	0	0	0	10 .4
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	1	7	3	0	0	0	0	11 .4
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1 .0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	0	0	0	0	0	39	209	548	663	656	541	77	0	0	0	0	2733 100.0

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.49 TC .25	0	1	40	68	67	100	29	97	74	87	93	19	5	0	0	0	740	37.2
.24 TC 0	0	1	18	20	39	42	40	42	33	48	47	5	0	0	0	0	349	17.6
-0.01 TC -0.25	0	1	3	13	29	20	25	15	17	40	32	5	0	0	0	0	206	10.4
-0.26 TC -0.50	0	0	5	13	29	18	13	15	7	34	27	3	0	0	0	0	155	7.8
-0.51 TC -0.75	0	0	7	7	13	10	6	6	9	22	37	8	0	0	0	0	125	6.2
-0.76 TC -1.00	0	0	0	1	5	8	7	6	2	17	26	5	0	0	0	0	77	3.9
-1.01 TC -1.50	0	0	0	2	2	2	0	11	5	56	74	8	0	0	0	0	164	8.3
-1.51 TC -2.00	0	0	0	0	0	2	0	3	7	29	65	6	0	0	0	0	112	5.7
-2.01 TC -2.50	0	0	0	0	0	0	0	4	1	11	22	2	0	0	0	0	46	2.3
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0	6	.2
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	.1
BELOW -4.01	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	.1
TOTAL FCINTS	0	3	73	132	175	202	180	205	159	346	441	61	5	0	0	0	1982	103.0

## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

## BLUE ANGELS AIRCRAFT      AFT ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	EQUIVALENT AIRSPEED, KNOTS																SUB- TOTAL	X OF COUNTS	
	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190			
3.00 TC 3.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	755 42.6	
3.50 TC 3.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	360 20.2	
4.00 TC 4.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	159 9.0	
4.50 TC 4.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	119 6.7	
5.00 TC 5.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	83 4.7	
5.50 TC 5.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	100 5.6	
6.00 TC 6.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	69 3.9	
6.50 TC 6.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	50 2.8	
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	37 2.1	
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16 .9	
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	16 .9	
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6 .3	
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3 .2	
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCITS	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1773 100.0	

NADC-72021-VI

# NADC-72021-VT

.49 TC .25	0	1	39	54	41	60	77	72	39	46	54	7	4	0	0	494	38.4
.24 TC .0	0	1	14	11	23	35	45	28	25	44	45	11	4	0	-0	290	22.6
-0.01 TC -0.25	0	0	1	6	11	17	15	8	5	13	32	8	0	0	0	120	9.3
-0.26 TC -0.50	0	0	3	4	17	8	3	8	7	11	24	6	0	0	0	91	7.1
-0.51 TC -0.75	0	0	1	3	10	8	3	3	2	6	18	3	0	0	0	57	4.4
-0.76 TC -1.00	0	0	0	0	1	1	0	1	4	7	32	6	0	0	0	52	4.0
-1.01 TC -1.50	0	0	0	0	0	1	0	8	3	35	52	5	0	0	0	184	-8.1
-1.51 TC -2.00	0	0	0	0	1	1	0	6	3	16	21	3	0	0	0	51	4.0
-2.01 TC -2.50	0	0	0	0	0	0	0	1	0	4	11	1	0	0	0	17	1.3
-2.51 TC -3.00	0	0	0	0	0	0	0	1	0	0	7	0	0	0	0	8	.6
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
GRAN -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCPTS	0	2	58	78	104	131	143	136	92	182	302	50	8	0	0	1286	100.0

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## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

### PLUS ANGELS AIRCRAFT CG ACCELEROMETER

#### EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	5010	5020	5030	5040	5050	5060	5070	5080	5090	5100	5110	5120	5130	5140	5150	5160	5170	5180	5190	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780	5790	5800	5810	5820	5830	5840	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940	5950	5960	5970	5980	5990	6000	6010	6020	6030	6040	6050	6060	6070	6080	6090	6100	6110	6120	6130	6140	6150	6160	6170	6180	6190	6200	6210	6220	6230	6240	6250	6260	6270	6280	6290	6300	6310	6320	6330	6340	6350	6360	6370	6380	6390	6400	6410	6420	6430	6440	6450	6460	6470	6480	6490	6500	6510	6520	6530	6540	6550	6560	6570	6580	6590	6600	6610	6620	6630	6640	6650	6660	6670	6680	6690	6700	6710	6720	6730	6740	6750	6760	6770	6780	6790	6800	6810	6820	6830	6840	6850	6860	6870	6880	6890	6900	6910	6920	6930	6940	6950	6960	6970	6980	6990	7000	7010	7020	7030	7040	7050	7060	7070	7080	7090	7100	7110	7120	7130	7140	7150	7160	7170	7180	7190	7200	7210	7220	7230	7240	7250	7260	7270	7280	7290	7300	7310	7320	7330	7340	7350	7360	7370	7380	7390	7400	7410	7420	7430	7440	7450	7460	7470	7480	7490	7500	7510	7520	7530	7540	7550	7560	7570	7580	7590	7600	7610	7620	7630	7640	7650	7660	7670	7680	7690	7700	7710	7720	7730	7740	7750	7760	7770	7780	7790	7800	7810	7820	7830	7840	7850	7860	7870	7880	7890	7900	7910	7920	7930	7940	7950	7960	7970	7980	7990	8000	8010	8020	8030	8040	8050	8060	8070	8080	8090	8100	8110	8120	8130	8140	8150	8160	8170	8180	8190	8200	8210	8220	8230	8240	8250	8260	8270	8280	8290	8300	8310	8320	8330	8340	8350	8360	8370	8380	8390	8400	8410	8420	8430	8440	8450	8460	8470	8480	8490	8500	8510	8520	8530	8540	8550	8560	8570	8580	8590	8600	8610	8620	8630	8640	8650	8660	8670	8680	8690	8700	8710	8720	8730	8740	8750	8760	8770	8780	8790	8800	8810	8820	8830	8840	8850	8860	8870	8880	8890	8900	8910	8920	8930	8940	8950	8960	8970	8980	8990	9000	9010	9020	9030	9040	9050	9060	9070	9080	9090	9100	9110	9120	9130	9140	9150	9160	9170	9180	9190	9200	9210	9220	9230	9240	9250	9260	9270	9280	9290	9300	9310	9320	9330	9340	9350	9360	9370	9380	9390	9400	9410	9420	9430	9440	9450	9460	9470	9480	9490	9500	9510	9520	9530	9540	9550	9560	9570	9580	9590	9600	9610	9620	9630	9640	9650	9660	9670	9680	9690	9700	9710	9720	9730	9740	9750	9760	9770	9780	9790	9800	9810	9820	9830	9840	9850	9860	9870	9880	9890	9900	9910	9920	9930	9940	9950	9960	9970	9980	9990	10000	10010	10020	10030	10040	10050	10060	10070	10080	10090	10100	10110	10120	10130	10140	10150	10160	10170	10180	1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# NADC-72021-VT

.49 TC .25	0	0	40	69	69	100	117	112	72	105	108	12	7	0	0	802	39.7
.24 TC 0	0	0	23	25	46	59	48	41	45	52	61	5	2	0	0	488	26.2
-0.01 TC -0.25	0	0	5	12	27	23	24	10	13	37	32	4	0	0	0	189	9.4
-0.26 TC -0.50	0	0	2	8	16	17	8	11	9	29	39	5	0	0	0	144	7.1
-0.51 TC -0.75	0	0	6	11	14	4	4	6	6	24	45	6	0	0	0	126	6.2
-0.76 TC -1.00	0	0	3	4	3	5	0	7	6	14	28	3	0	0	6	72	3.6
-1.01 TC -1.50	0	0	0	1	5	3	0	8	4	42	52	10	0	0	0	125	6.2
-1.51 TC -2.00	0	0	0	1	1	2	0	6	2	26	46	2	0	0	0	90	4.5
-2.01 TC -2.50	0	0	0	0	0	0	0	1	2	11	21	2	0	0	0	37	1.8
-2.51 TC -3.00	0	0	0	0	0	0	0	1	1	4	12	0	0	0	0	18	.9
-3.01 TC -3.50	0	0	0	0	0	0	0	1	0	1	5	0	0	0	0	7	.3
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.0
BELOW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL POINTS	0	3	78	131	172	213	199	206	162	345	452	49	9	0	0	2019	100.0

## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT      FCRN ACCELEROMETER

EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	EQUIVALENT AIRSPEED, KNOTS																SUB- TOTAL COUNTS	% OF TOTAL COUNTS
	0 49	50 39	100 149	150 199	200 249	250 299	300 349	350 399	400 449	450 499	500 549	550 599	600 649	650 699	700 749	UP		
3.00 TC 3.49	0	0	0	0	8	37	142	261	211	118	55	9	0	0	0	0	-845 -28.6	
3.50 TC 3.99	0	0	0	0	0	12	72	180	203	135	87	8	0	0	0	0	701 23.7	
4.00 TC 4.49	0	0	0	0	0	11	29	98	123	95	54	10	0	0	0	0	820 14.2	
4.50 TC 4.99	0	0	0	0	0	2	7	44	69	86	40	8	0	0	0	0	256 8.7	
5.00 TC 5.49	0	0	0	0	0	0	5	15	32	72	42	6	0	0	0	0	178 6.0	
5.50 TC 5.99	0	0	0	0	0	0	4	13	21	62	66	7	0	0	0	0	173 5.9	
6.00 TC 6.49	0	0	0	0	0	0	0	6	13	45	67	4	0	0	0	0	139 4.7	
6.50 TC 6.99	0	0	0	0	0	0	1	6	7	29	52	9	0	0	0	0	104 3.5	
7.00 TC 7.49	0	0	0	0	0	0	0	0	4	14	42	8	0	0	0	0	69 2.3	
7.50 TC 7.99	0	0	0	0	0	0	0	0	2	9	15	3	0	0	0	0	33 1.1	
8.00 TC 8.49	0	0	0	0	0	0	0	0	3	2	17	4	0	0	0	0	26 .9	
8.50 TC 8.99	0	0	0	0	0	0	0	0	1	1	3	2	0	0	0	0	7 .2	
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	4 .1	
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2 .1	
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
TOTAL FCNTS	0	0	0	0	8	62	260	623	695	676	553	80	0	0	0	0	2957 100.0	

NADC-72021-VT

# NADC-72021-VT

.49 TC .25	1	41	69	60	92	51	93	73	90	87	18	5	0	0	726	37.6
.24 TC .9	1	16	25	39	38	32	42	25	44	44	5	0	0	0	311	16.1
-0.21 TC -0.25	1	3	12	27	12	24	15	16	36	36	4	0	0	0	196	16.2
-0.26 TC -0.50	0	5	10	10	15	14	14	6	29	25	3	0	0	0	140	7.3
-0.51 TC -0.75	0	5	8	11	14	5	5	5	27	34	6	0	3	0	124	6.4
-0.76 TC -1.00	0	2	3	8	6	7	5	3	16	25	6	0	0	0	81	4.2
-1.01 TC -1.50	0	0	1	4	5	1	10	2	44	65	8	0	0	0	150	7.2
-1.51 TC -2.00	0	0	1	0	2	0	7	7	35	67	5	0	0	0	124	6.4
-2.01 TC -2.50	0	0	0	0	0	0	1	3	17	33	5	0	0	0	59	3.1
-2.51 TC -3.00	0	0	0	0	0	0	2	0	3	5	0	0	0	0	14	.7
-3.01 TC -3.50	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3	.2
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REFLW -4.01	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
TOTAL FCINTS	3	72	130	168	196	174	194	50	345	432	60	5	0	0	1929	100.0

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## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

## BLUE ANGELS AIRCRAFT AFT ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	3	16	117	201	188	110	69	9	0	0	0	721	36.4
3.50 TC 3.99	0	0	0	0	0	4	29	92	130	100	62	7	0	0	0	426	21.5
4.00 TC 4.49	0	0	0	0	0	4	7	46	74	61	32	4	0	0	0	229	11.6
4.50 TC 4.99	0	0	0	0	1	0	11	20	31	46	25	9	0	0	0	143	7.2
5.00 TC 5.49	0	0	0	0	0	0	1	10	21	35	35	4	0	0	0	106	5.4
5.50 TC 5.99	0	0	0	0	0	0	4	2	10	29	24	4	0	0	0	74	3.7
6.00 TC 6.49	0	0	0	0	0	0	0	5	9	19	46	3	0	0	0	82	4.1
6.50 TC 6.99	0	0	0	0	0	0	0	2	7	20	34	6	0	0	0	70	3.5
7.00 TC 7.49	0	0	0	0	0	0	0	0	8	7	24	3	0	0	0	42	2.1
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	10	24	7	0	0	0	41	2.1
8.00 TC 8.49	0	0	0	0	0	0	0	0	2	1	9	3	0	0	0	15	.8
8.50 TC 8.99	0	0	0	0	0	0	0	0	1	0	7	5	0	0	0	13	.7
9.00 TC 9.49	0	0	0	0	0	0	0	0	2	0	9	1	0	0	0	8	.4
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	1	9	1	0	0	0	7	.4
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	.1
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	0	0	0	4	24	169	381	482	447	406	66	0	0	0	1980	100.0

NADC-72021-VT



# NADC-72021-VT

.49 TC .25	0	1	41	56	38	60	78	71	35	44	56	6	5	0	0	495	39.4
.24 TC 0	0	1	12	9	23	31	39	24	20	42	42	11	2	0	0	250	20.6
-0.01 TC -0.25	0	0	1	6	11	16	15	9	5	12	25	8	0	0	0	116	9.2
-0.26 TC -0.50	0	0	2	3	15	7	3	7	4	10	22	6	0	0	0	81	6.5
-0.51 TC -0.75	0	0	0	3	9	8	2	2	5	8	16	3	0	0	0	57	4.5
-0.76 TC -1.00	0	0	1	1	4	3	1	1	2	5	27	3	0	0	0	49	3.9
-1.01 TC -1.50	0	0	0	0	1	2	0	5	2	26	48	7	0	0	0	95	7.6
-1.51 TC -2.00	0	0	0	0	0	0	0	5	3	24	32	3	0	0	0	67	5.2
-2.01 TC -2.50	0	0	0	0	0	0	0	1	2	7	12	2	0	0	0	25	2.0
-2.51 TC -3.00	0	0	0	0	0	0	0	1	0	0	6	0	0	0	0	7	.6
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	.2
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RELIN -4.01	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
TOTAL FCINIS	0	2	58	78	101	127	138	131	27	176	290	49	6	0	0	1255	108.8

# CONSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 153076 CG ACCELEROMETER

EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	40	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% OF TOTAL COUNTS
3.00 TC	0	0	0	0	0	22	50	91	75	42	22	4	0	0	0	310	30.7
3.50 TC	0	0	0	0	0	5	26	62	60	43	20	3	0	0	0	219	21.7
4.00 TC	0	0	0	0	0	3	5	38	38	34	15	4	0	0	0	137	13.6
4.50 TC	0	0	0	0	0	1	6	15	18	24	11	1	0	0	0	80	7.9
5.00 TC	0	0	0	0	0	0	4	15	11	38	36	1	0	0	0	105	10.4
5.50 TC	0	0	0	0	0	0	1	5	7	30	28	2	0	0	0	73	7.2
6.00 TC	0	0	0	0	0	0	1	1	3	11	28	3	0	0	0	47	4.7
6.50 TC	0	0	0	0	0	0	0	1	9	6	7	0	0	0	0	23	2.3
7.00 TC	0	0	0	0	0	0	0	0	1	3	4	0	0	0	0	8	.8
7.50 TC	0	0	0	0	0	0	0	0	3	0	3	0	0	0	0	6	.6
8.00 TC	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	.1
8.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCIMTS	0	0	0	0	0	31	93	232	229	232	174	18	0	0	0	1000	100.0

NADC-72021-VT

# NADC-72021-VT

.49 TC .25	0	0	5	11	20	41	41	54	46	50	40	2	1	0	0	313	33.7
.24 TC 0	0	1	4	13	30	30	25	26	37	32	15	0	0	0	0	217	23.4
-0.01 TC -0.25	0	0	1	9	18	17	11	7	11	29	15	1	0	0	0	119	12.6
-0.26 TC -0.50	0	0	2	7	8	6	5	5	6	16	17	2	0	0	0	74	8.0
-0.51 TC -0.75	0	0	7	6	1	2	2	3	5	14	15	2	0	0	0	57	6.1
-0.76 TC -1.00	0	0	0	2	2	2	0	2	4	5	9	0	0	0	0	27	2.9
-1.01 TC -1.50	0	0	0	2	3	0	0	4	4	17	13	1	0	0	0	44	4.7
-1.51 TC -2.00	0	0	0	0	0	1	0	4	4	11	21	1	0	0	0	42	4.5
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	8	11	2	0	0	0	21	2.3
-2.51 TC -3.00	0	0	0	0	0	0	0	1	1	2	9	0	0	0	0	13	1.4
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	.1
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
PELW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	1	19	50	82	99	84	105	118	185	170	11	1	0	0	929	100.0

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## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 151076 FORE ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	50 40	100 99	150 149	200 199	250 249	300 349	350 399	400 449	450 499	500 549	550 599	600 649	650 699	700 LP	SUB- TOTAL	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	24	47	91	75	49	24	4	0	0	0	314	31.2
3.50 TC 3.99	0	0	0	0	5	26	60	62	34	16	3	0	0	0	206	20.5
4.00 TC 4.49	0	0	0	0	4	8	35	31	37	16	3	0	0	0	138	13.7
4.50 TC 4.99	0	0	0	0	1	3	17	22	30	16	2	0	0	0	91	9.1
5.00 TC 5.49	0	0	0	0	0	6	14	10	33	23	0	0	0	0	86	8.6
5.50 TC 5.99	0	0	0	0	0	7	10	8	31	44	2	0	0	0	97	9.7
6.00 TC 6.49	0	0	0	0	0	0	2	4	6	23	2	0	0	0	37	3.7
6.50 TC 6.99	0	0	0	0	0	1	0	7	6	4	2	0	0	0	20	2.0
7.00 TC 7.49	0	0	0	0	0	0	0	3	3	5	0	0	0	0	11	1.1
7.50 TC 7.99	0	0	0	0	0	0	0	2	1	1	0	0	0	0	4	.4
8.00 TC 8.49	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	.1
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCNTS	0	0	0	0	34	93	233	224	231	172	16	0	0	0	1005	100.0

NADC-72021-VT

# NADC-72021-VT

.49 TC	0	0	5	12	25	40	37	48	44	38	32	1	0	0	0	262	31.8
.24 TC	0	0	4	12	23	31	24	23	25	30	15	0	0	0	0	187	21.1
-0.01 TC -0.25	0	1	1	9	16	10	11	7	11	24	15	2	0	0	0	111	12.5
-0.26 TC -0.50	0	0	2	9	11	8	2	4	5	25	14	1	0	0	0	82	9.2
-0.51 TC -0.75	0	0	7	4	4	3	2	2	8	16	12	1	0	0	0	62	7.0
-0.76 TC -1.00	0	0	0	1	3	3	0	2	2	8	6	1	0	0	0	29	3.2
-1.01 TC -1.50	0	0	0	2	1	0	0	4	9	24	20	1	0	0	0	61	6.5
-1.51 TC -2.00	0	0	0	0	0	1	0	2	2	13	22	1	0	0	0	42	4.7
-2.01 TC -2.50	0	0	0	0	0	0	0	2	1	7	14	2	0	0	0	26	2.5
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	5	.5
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
BELOW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINIS	1	1	19	49	83	55	72	55	107	187	162	10	0	0	0	888	100.0

# RESERVED NCPAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABLE

BLUE ANGELS AIRCRAFT 153076 AFT ACCELEROMETER

EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR

	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	5010	5020	5030	5040	5050	5060	5070	5080	5090	5100	5110	5120	5130	5140	5150	5160	5170	5180	5190	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780	5790	5800	5810	5820	5830	5840	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940	5950	5960	5970	5980	5990	6000	6010	6020	6030	6040	6050	6060	6070	6080	6090	6100	6110	6120	6130	6140	6150	6160	6170	6180	6190	6200	6210	6220	6230	6240	6250	6260	6270	6280	6290	6300	6310	6320	6330	6340	6350	6360	6370	6380	6390	6400	6410	6420	6430	6440	6450	6460	6470	6480	6490	6500	6510	6520	6530	6540	6550	6560	6570	6580	6590	6600	6610	6620	6630	6640	6650	6660	6670	6680	6690	6700	6710	6720	6730	6740	6750	6760	6770	6780	6790	6800	6810	6820	6830	6840	6850	6860	6870	6880	6890	6900	6910	6920	6930	6940	6950	6960	6970	6980	6990	7000	7010	7020	7030	7040	7050	7060	7070	7080	7090	7100	7110	7120	7130	7140	7150	7160	7170	7180	7190	7200	7210	7220	7230	7240	7250	7260	7270	7280	7290	7300	7310	7320	7330	7340	7350	7360	7370	7380	7390	7400	7410	7420	7430	7440	7450	7460	7470	7480	7490	7500	7510	7520	7530	7540	7550	7560	7570	7580	7590	7600	7610	7620	7630	7640	7650	7660	7670	7680	7690	7700	7710	7720	7730	7740	7750	7760	7770	7780	7790	7800	7810	7820	7830	7840	7850	7860	7870	7880	7890	7900	7910	7920	7930	7940	7950	7960	7970	7980	7990	8000	8010	8020	8030	8040	8050	8060	8070	8080	8090	8100	8110	8120	8130	8140	8150	8160	8170	8180	8190	8200	8210	8220	8230	8240	8250	8260	8270	8280	8290	8300	8310	8320	8330	8340	8350	8360	8370	8380	8390	8400	8410	8420	8430	8440	8450	8460	8470	8480	8490	8500	8510	8520	8530	8540	8550	8560	8570	8580	8590	8600	8610	8620	8630	8640	8650	8660	8670	8680	8690	8700	8710	8720	8730	8740	8750	8760	8770	8780	8790	8800	8810	8820	8830	8840	8850	8860	8870	8880	8890	8900	8910	8920	8930	8940	8950	8960	8970	8980	8990	9000	9010	9020	9030	9040	9050	9060	9070	9080	9090	9100	9110	9120	9130	9140	9150	9160	9170	9180	9190	9200	9210	9220	9230	9240	9250	9260	9270	9280	9290	9300	9310	9320	9330	9340	9350	9360	9370	9380	9390	9400	9410	9420	9430	9440	9450	9460	9470	9480	9490	9500	9510	9520	9530	9540	9550	9560	9570	9580	9590	9600	9610	9620	9630	9640	9650	9660	9670	9680	9690	9700	9710	9720	9730	9740	9750	9760	9770	9780	9790	9800	9810	9820	9830	9840	9850	9860	9870	9880	9890	9900	9910	9920	9930	9940	9950	9960	9970	9980	9990	10000	10010	10020	10030	10040	10050	10060	10070	10080	10090	10100	10110	10120	10130	10140	10150	10160	10170	10180	10190	1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# NADC-72021-VT

.49 TC	.25	0	0	0	2	0	7	4	7	11	9	1	0	0	0	0	0	0	41	35.0
.24 TC	0	0	0	0	0	0	3	7	5	4	9	1	0	0	0	0	0	0	33	28.2
-9.01 TC	-0.25	0	0	0	0	1	1	2	2	2	3	1	0	0	0	0	0	0	12	10.3
-0.26 TC	-0.50	0	0	0	0	1	1	1	0	2	6	0	0	0	0	0	0	0	11	9.4
-0.51 TC	-0.75	0	0	0	1	1	0	0	2	0	1	1	0	0	0	0	0	0	5	4.2
-0.76 TC	-1.00	0	0	0	0	0	0	0	0	0	4	0	0	0	0	0	0	0	4	3.4
-1.01 TC	-1.50	0	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	7	6.0
-1.51 TC	-2.00	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	4	3.4
-2.01 TC	-2.50	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
-2.51 TC	-3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.01 TC	-3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC	-4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
APLW	-4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCNTS		0	0	2	3	12	14	19	22	28	38	5	0	0	0	0	0	0	.17	100.0

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PLUE ANGELS AIRCRAFT 153076 CG ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

NADC-72021-VT

LEAD FFCYR	0 4c	50 90	100 14c	150 199	200 249	250 299	300 349	350 399	400 449	450 499	500 549	550 599	600 649	650 699	700 UP	SUB- TOTAL	% OF TOTAL
3.00 TC 3.49	0	0	0	0	6	33	45	85	66	28	16	2	0	0	0	281	25.2
3.50 TC 3.99	0	0	0	0	0	16	35	65	61	37	18	4	0	0	0	240	22.0
4.00 TC 4.49	0	0	0	0	9	4	14	38	40	47	16	2	0	0	0	154	14.1
4.50 TC 4.99	0	0	0	0	0	2	4	32	25	26	13	4	0	0	0	110	10.1
5.00 TC 5.49	0	0	0	0	0	0	5	13	12	31	20	0	0	0	0	82	7.5
5.50 TC 5.99	0	0	0	0	0	0	3	5	11	30	25	1	0	0	0	83	7.6
6.00 TC 6.49	0	0	0	0	0	0	0	7	3	26	23	0	0	0	0	59	5.4
6.50 TC 6.99	0	0	0	0	0	0	1	2	4	9	24	4	0	0	0	44	4.0
7.00 TC 7.49	0	0	0	0	0	0	0	1	6	3	10	1	0	0	0	21	1.9
7.50 TC 7.99	0	0	0	0	0	0	0	0	3	3	3	0	0	0	0	9	.8
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
8.50 TC 8.99	0	0	0	0	0	0	0	0	3	0	2	0	0	0	0	5	.5
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	.1
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FFCYRS	0	0	0	0	6	55	107	256	235	234	175	18	0	0	0	1090	100.0

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# NADC-72021-VT

.45 TC	.25	0	0	4	11	16	40	47	46	46	49	32	1	1	0	0	303	33.8
.24 TC	0	0	1	5	13	27	28	17	24	31	30	18	0	0	0	0	194	21.7
-0.01 TC	-0.25	0	0	1	6	16	17	11	7	10	27	14	1	0	0	0	112	12.5
-0.26 TC	-0.50	0	0	1	5	10	6	4	5	5	15	17	1	0	0	0	70	7.8
-0.51 TC	-0.75	0	0	6	8	1	2	3	2	5	13	14	2	0	0	0	56	6.3
-0.76 TC	-1.00	0	0	2	3	0	1	0	3	6	5	8	1	0	0	0	29	3.2
-1.01 TC	-1.50	0	0	0	1	4	1	0	3	4	15	11	1	0	0	0	40	4.5
-1.51 TC	-2.00	0	0	0	1	1	1	0	5	2	14	23	1	0	0	0	40	5.4
-2.01 TC	-2.50	0	0	0	0	0	0	0	1	2	8	14	2	0	0	0	27	3.0
-2.51 TC	-3.00	0	0	0	0	0	0	0	1	1	4	7	0	0	0	0	13	1.5
-3.01 TC	-3.50	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	4	.4
-3.51 TC	-4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW -4.01		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS		0	1	19	50	75	96	82	95	114	182	167	10	1	0	0	896	100.0

# NADC-72021-VT

## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

### PLUE ANGELS AIRCRAFT 153076 FORE ACCELEROMETER

#### EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	0 49	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% OF TOTAL COUNTS
		99	149	199	249	299	349	399	449	499	549	599	649	699	UP		
3.00 TC 3.49	0	0	0	0	0	31	39	80	58	33	11	2	0	0	0	262	24.6
3.50 TC 3.99	0	0	0	0	0	11	35	63	51	32	29	3	0	0	0	216	20.3
4.00 TC 4.49	0	0	0	0	0	10	17	42	42	37	13	4	0	0	0	166	15.6
4.50 TC 4.99	0	0	0	0	0	2	4	31	31	31	14	3	0	0	0	116	10.9
5.00 TC 5.49	0	0	0	0	0	0	5	11	12	37	24	0	0	0	0	90	8.5
5.50 TC 5.99	0	0	0	0	0	0	4	12	11	28	25	1	0	0	0	81	7.6
6.00 TC 6.49	0	0	0	0	0	0	0	6	3	21	31	1	0	0	0	62	5.8
6.50 TC 6.99	0	0	0	0	0	0	1	6	6	7	15	2	0	0	0	41	3.8
7.00 TC 7.49	0	0	0	0	0	0	0	0	4	3	7	2	0	0	0	16	1.5
7.50 TC 7.99	0	0	0	0	0	0	0	0	2	2	2	0	0	0	0	6	.6
8.00 TC 8.49	0	0	0	0	0	0	0	0	3	1	3	0	0	0	0	7	.7
8.50 TC 8.99	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	.2
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINYS	0	0	0	0	0	54	105	252	225	233	170	18	0	0	0	1065	100.0

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.42 TC .25	0	0	5	13	21	39	29	42	47	39	31	1	0	0	0	276	32.1
.24 TC .0	0	0	4	11	24	29	18	22	18	29	14	0	0	0	0	169	19.5
-0.01 TC -0.25	0	1	1	9	14	9	11	8	10	24	18	2	0	0	0	185	12.1
-0.26 TC -0.50	0	0	2	7	12	8	3	4	5	23	15	1	0	0	0	80	9.2
-0.51 TC -0.75	0	0	5	5	3	4	3	2	7	18	11	0	0	0	0	58	6.7
-0.76 TC -1.00	0	0	2	2	3	2	0	2	2	7	7	2	0	0	0	31	3.6
-1.01 TC -1.50	0	0	0	1	3	1	0	2	8	18	20	0	0	0	0	53	6.1
-1.51 TC -2.00	0	0	0	1	0	1	0	5	2	15	23	2	0	0	0	50	5.2
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	11	18	2	0	0	0	31	3.6
-2.51 TC -3.00	0	0	0	0	0	0	0	2	0	2	3	0	0	0	0	7	.8
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	3	.3
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REFLW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	1	19	40	80	93	74	85	103	187	160	10	0	0	0	865	100.0

## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

PLUS ANGELS AIRCRAFT 153076 AFT ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	40	50	99	100	149	150	200	249	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	X CF
3.00 TC	0	0	0	0	0	0	3	7	12	10	7	2	2	0	0	0	0	0	45	36.5
3.50 TC	0	0	0	0	0	0	0	2	6	8	0	0	0	0	0	0	0	0	16	14.4
4.00 TC	0	0	0	0	0	0	0	3	0	5	1	1	1	0	0	0	0	0	10	9.0
4.50 TC	0	0	0	0	0	0	0	0	2	5	6	1	1	0	0	0	0	0	14	12.6
5.00 TC	0	0	0	0	0	0	0	0	1	6	1	0	0	0	0	0	0	0	8	7.2
5.50 TC	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0	5	4.5
6.00 TC	0	0	0	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	4	3.6
6.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2.7
7.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3.6
7.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1.8
8.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	.9
9.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1.8
9.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	.9
10.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL POINTS	0	0	0	0	0	0	3	12	22	38	26	7	7	0	0	0	0	0	111	100.0

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## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 153082 CG ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	40	50	99	100	149	150	199	200	249	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	0	0	0	0	3	14	55	79	29	.6	2	2	0	0	0	0	49.6
3.50 TC 3.99	0	0	0	0	0	0	0	0	1	7	21	52	28	2	1	1	0	0	0	0	30.5
4.00 TC 4.49	0	0	0	0	0	0	0	0	0	6	1	8	8	2	1	1	0	0	0	0	5.7
4.50 TC 4.99	0	0	0	0	0	0	0	0	0	0	2	7	7	0	1	0	0	0	0	0	4.4
5.00 TC 5.49	0	0	0	0	0	0	0	0	0	0	1	5	5	1	0	0	0	0	0	0	3.1
5.50 TC 5.99	0	0	0	0	0	0	0	0	0	0	0	1	5	4	2	0	0	0	0	0	3.1
6.00 TC 6.49	0	0	0	0	0	0	0	0	0	0	0	0	5	0	1	0	0	0	0	0	1.6
6.50 TC 6.99	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	0	0	0	0	0	.6
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	.2
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL POINTS	0	0	0	0	0	0	0	0	4	27	85	165	81	15	6	6	0	0	0	387	100.0

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.49 TC .25	0	0	20	32	11	4	14	13	7	7	2	0	0	0	0	0	110	50.7
.24 TC 0	0	1	15	11	3	2	5	6	1	1	0	0	0	0	0	0	45	22.4
-0.01 TC -0.25	0	0	0	0	7	0	1	2	0	0	0	0	0	0	0	0	11	5.5
-0.26 TC -0.50	0	0	0	0	5	0	0	4	0	0	1	0	0	0	0	0	10	5.0
-0.51 TC -0.75	0	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	3	1.5
-0.76 TC -1.00	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	2	1.0
-1.01 TC -1.50	0	0	0	0	1	0	0	5	0	0	0	1	0	0	0	0	7	3.5
-1.51 TC -2.00	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	4	2.0
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.51 TC -3.00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	.5
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL POINTS	0	1	42	43	28	7	20	35	8	0	2	1	0	0	0	0	201	109.8

# CPSERVEC NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

PLUE ANGELS AIRCRAFT 153002 FORE ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- UP	% CF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	0	2	16	57	72	28	6	2	0	0	0	185	46.6
3.50 TC 3.99	0	0	0	0	0	1	10	22	62	27	2	1	0	0	0	126	31.7
4.00 TC 4.49	0	0	0	0	0	0	4	2	12	12	2	1	0	0	0	34	8.6
4.50 TC 4.99	0	0	0	0	0	0	1	2	6	5	0	1	0	0	0	15	3.8
5.00 TC 5.49	0	0	0	0	0	0	0	1	5	4	0	0	0	0	0	10	2.5
5.50 TC 5.99	0	0	0	0	0	0	0	1	7	6	2	0	0	0	0	16	4.0
6.00 TC 6.49	0	0	0	0	0	0	0	0	5	0	2	0	0	0	0	7	1.8
6.50 TC 6.99	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	2	.5
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	.5
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCNTS	0	0	0	0	0	4	21	85	172	83	16	6	0	0	0	397	100.0

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.49 TC .25	0	0	29	32	11	4	8	4	5	4	2	0	0	0	0	0	0	99	51.8
.24 TC 0	0	1	12	11	5	1	4	12	1	0	0	0	0	0	0	0	0	47	24.6
-0.01 TC -0.25	0	0	0	0	4	0	4	4	0	0	0	0	0	0	0	0	0	12	6.3
-0.26 TC -0.50	0	0	0	0	3	0	2	18	0	0	1	0	0	0	0	0	0	16	8.4
-0.51 TC -0.75	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	0	4	2.1
-0.76 TC -1.00	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	.5
-1.01 TC -1.50	0	0	0	0	1	0	0	6	0	0	0	0	0	0	0	0	0	7	3.7
-1.51 TC -2.00	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	3	1.6
-2.01 TC -2.50	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	2	1.0
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REFLOW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL POINTS	0	1	41	43	26	6	15	41	6	4	2	1	0	0	0	0	0	191	100.0

## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 153082 AFT ACCELEROMETER

EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% OF TOTAL COUNTS
	40	90	140	190	240	290	340	390	440	490	540	590	640	690	740		
3.00 TC 3.49	0	0	0	0	0	4	14	60	00	31	5	2	0	0	0	205	54.7
3.50 TC 3.99	0	0	0	0	0	1	4	15	45	24	2	1	0	0	0	92	24.5
4.00 TC 4.49	0	0	0	0	0	0	6	4	6	11	1	1	0	0	0	29	7.7
4.50 TC 4.99	0	0	0	0	0	0	3	2	8	4	0	0	0	0	0	15	4.0
5.00 TC 5.49	0	0	0	0	0	0	0	0	1	8	1	0	0	0	0	10	2.7
5.50 TC 5.99	0	0	0	0	0	0	0	1	8	1	2	1	0	0	0	13	3.5
6.00 TC 6.49	0	0	0	0	0	0	0	1	4	0	2	0	0	0	0	7	1.9
6.50 TC 6.99	0	0	0	0	0	0	0	0	2	0	1	0	0	0	0	3	.8
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	.3
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCNTS	0	0	0	0	0	5	27	82	161	79	14	6	0	0	0	375	100.0

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.49 TC .25	0	0	32	32	5	4	15	11	7	7	2	0	0	0	0	0	115	58.7
.24 TC	0	1	10	6	6	2	2	7	1	1	2	0	0	0	0	0	38	10.4
-0.01 TC -0.25	0	0	0	1	4	1	2	4	0	0	0	0	0	0	0	0	12	6.1
-0.26 TC -0.50	0	0	0	0	6	0	0	4	0	0	1	0	0	0	0	0	11	5.6
-0.51 TC -0.75	0	0	0	0	4	0	0	2	0	0	0	0	0	0	0	0	6	3.1
-0.76 TC -1.00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	.5
-1.01 TC -1.50	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	3	1.5
-1.51 TC -2.00	0	0	0	0	1	1	0	5	0	0	0	1	0	0	0	0	8	4.1
-2.01 TC -2.50	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	.5
-2.51 TC -3.00	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	.5
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BFLCW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	1	42	39	26	8	16	35	2	8	5	1	0	0	0	0	196	100.0

## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

PLUE ANGELS AIRCRAFT 1530R2 CG ACCELEPCHETER

EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	40	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% CF COUNTS
2.00 TC 2.49	0	0	0	0	0	3	15	54	66	24	.6	0	0	0	0	168	40.9
3.50 TC 3.99	0	0	0	0	0	2	3	22	62	30	2	2	0	0	0	129	31.4
4.00 TC 4.49	0	0	0	0	0	1	5	7	22	8	2	1	0	0	0	50	12.2
4.50 TC 4.99	0	0	0	0	0	0	2	2	3	10	1	0	0	0	0	10	4.4
5.00 TC 5.49	0	0	0	0	0	0	0	0	12	6	0	1	0	0	0	20	4.9
5.50 TC 5.99	0	0	0	0	0	0	0	2	2	4	1	1	0	0	0	10	2.4
6.00 TC 6.49	0	0	0	0	0	0	0	0	7	3	2	0	0	0	0	12	2.9
6.50 TC 6.99	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.2
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	.5
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	.2
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCITS	0	0	0	0	0	6	25	92	175	85	17	6	0	0	0	411	100.0

NADC-72021-VT

# NADC-72021-VT

.49 TC .25	0	0	32	35	11	4	33	15	6	7	2	0	0	0	0	0	125	62.2
.24 TC 0	0	1	14	7	3	2	6	4	1	0	0	0	0	0	0	0	30	10.5
-0.01 TC -0.25	0	0	0	0	7	0	1	3	0	0	0	0	0	0	0	0	11	5.5
-0.26 TC -0.50	0	0	0	0	4	0	0	2	0	0	1	0	0	0	0	0	0	4.0
-0.51 TC -0.75	0	0	0	0	2	0	0	2	0	0	0	0	0	0	0	0	5	2.5
-0.76 TC -1.00	0	0	0	0	0	0	0	2	0	0	6	0	0	0	0	0	2	1.0
-1.01 TC -1.50	0	0	0	0	1	0	0	5	0	0	0	1	0	0	0	0	7	3.5
-1.51 TC -2.00	0	0	0	0	0	1	0	3	0	0	0	0	0	0	0	0	4	2.0
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.01 TC -3.50	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	.5
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
REFLOW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	1	1	46	42	28	7	20	35	7	7	3	1	0	0	0	0	201	100.0

BLUE ANGELS AIRCRAFT 153002 FORE ACCELERMETER

## EQUIVALENT AIRSPEED, KNOTS

**NADC-72021-VT**

Reproduced from  
best available copy.

LOAD FACTOR	0 49	50 99	100 149	150 199	200 249	250 299	300 349	350 399	400 449	450 499	500 549	550 599	600 649	650 699	700 UP	SUB- TOTAL	% CF CCUNTS
3.00 TC 7.49	0	0	0	0	0	4	10	55	82	25	5	0	0	0	0	173	40.5
3.50 TC 3.99	0	0	0	0	0	1	4	25	64	27	3	2	0	0	0	126	29.8
4.00 TC 4.49	0	0	0	0	0	1	5	2	26	11	2	1	0	0	0	58	13.7
4.50 TC 4.99	0	0	0	0	0	0	2	1	4	8	1	0	0	0	0	16	3.8
5.00 TC 5.49	0	0	0	0	0	0	0	2	10	8	0	2	0	0	0	22	5.2
5.50 TC 5.99	0	0	0	0	0	0	0	1	6	3	1	0	0	0	0	11	2.6
6.00 TC 6.49	0	0	0	0	0	0	0	0	6	4	2	0	0	0	0	12	2.8
6.50 TC 6.99	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2	.5
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.2
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	.5
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
ROYAL FCUNTS	0	0	0	0	0	6	33	96	178	87	17	6	0	0	0	423	100.0

NADC-72021-VT

.46 TC	.25	0	0	0	30	33	10	4	9	5	4	2	2	0	0	0	0	0	100	53.5
.24 TC	0	0	1	10	9	5	5	1	4	11	1	0	0	0	0	0	0	0	42	22.5
-0.01 TC -0.25	0	0	0	0	0	0	4	0	4	5	0	0	0	0	0	0	0	0	13	7.0
-0.26 TC -0.50	0	0	0	0	0	0	2	0	2	5	0	0	1	0	0	0	0	0	14	7.5
-0.51 TC -0.75	0	0	0	0	0	0	3	0	1	2	0	0	0	0	0	0	0	0	6	3.2
-0.76 TC -1.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-1.01 TC -1.50	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	7	3.7
-1.51 TC -2.00	0	0	0	0	0	0	0	1	0	2	0	0	0	1	0	0	0	0	4	2.1
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BFLW -4.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL TCINTS	0	1	40	42	25	6	20	41	5	3	3	1	0	0	0	0	0	0	107	100.0

## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 15302 AFT ACCELEROMETER

EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	5010	5020	5030	5040	5050	5060	5070	5080	5090	5100	5110	5120	5130	5140	5150	5160	5170	5180	5190	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780	5790	5800	5810	5820	5830	5840	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940	5950	5960	5970	5980	5990	6000	6010	6020	6030	6040	6050	6060	6070	6080	6090	6100	6110	6120	6130	6140	6150	6160	6170	6180	6190	6200	6210	6220	6230	6240	6250	6260	6270	6280	6290	6300	6310	6320	6330	6340	6350	6360	6370	6380	6390	6400	6410	6420	6430	6440	6450	6460	6470	6480	6490	6500	6510	6520	6530	6540	6550	6560	6570	6580	6590	6600	6610	6620	6630	6640	6650	6660	6670	6680	6690	6700	6710	6720	6730	6740	6750	6760	6770	6780	6790	6800	6810	6820	6830	6840	6850	6860	6870	6880	6890	6900	6910	6920	6930	6940	6950	6960	6970	6980	6990	7000	7010	7020	7030	7040	7050	7060	7070	7080	7090	7100	7110	7120	7130	7140	7150	7160	7170	7180	7190	7200	7210	7220	7230	7240	7250	7260	7270	7280	7290	7300	7310	7320	7330	7340	7350	7360	7370	7380	7390	7400	7410	7420	7430	7440	7450	7460	7470	7480	7490	7500	7510	7520	7530	7540	7550	7560	7570	7580	7590	7600	7610	7620	7630	7640	7650	7660	7670	7680	7690	7700	7710	7720	7730	7740	7750	7760	7770	7780	7790	7800	7810	7820	7830	7840	7850	7860	7870	7880	7890	7900	7910	7920	7930	7940	7950	7960	7970	7980	7990	8000	8010	8020	8030	8040	8050	8060	8070	8080	8090	8100	8110	8120	8130	8140	8150	8160	8170	8180	8190	8200	8210	8220	8230	8240	8250	8260	8270	8280	8290	8300	8310	8320	8330	8340	8350	8360	8370	8380	8390	8400	8410	8420	8430	8440	8450	8460	8470	8480	8490	8500	8510	8520	8530	8540	8550	8560	8570	8580	8590	8600	8610	8620	8630	8640	8650	8660	8670	8680	8690	8700	8710	8720	8730	8740	8750	8760	8770	8780	8790	8800	8810	8820	8830	8840	8850	8860	8870	8880	8890	8900	8910	8920	8930	8940	8950	8960	8970	8980	8990	9000	9010	9020	9030	9040	9050	9060	9070	9080	9090	9100	9110	9120	9130	9140	9150	9160	9170	9180	9190	9200	9210	9220	9230	9240	9250	9260	9270	9280	9290	9300	9310	9320	9330	9340	9350	9360	9370	9380	9390	9400	9410	9420	9430	9440	9450	9460	9470	9480	9490	9500	9510	9520	9530	9540	9550	9560	9570	9580	9590	9600	9610	9620	9630	9640	9650	9660	9670	9680	9690	9700	9710	9720	9730	9740	9750	9760	9770	9780	9790	9800	9810	9820	9830	9840	9850	9860	9870	9880	9890	9900	9910	9920	9930	9940	9950	9960	9970	9980	9990	10000	10010	10020	10030	10040	10050	10060	10070	10080	10090	10100	10110	10120	10130	10140	10150	10160	10170	10180	1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[illegible]

**B-36**

## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

PLUE ANGELS AIRCRAFT 153085 CG ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4660	4670	4680	4690	4700	4710	4720	4730	4740	4750	4760	4770	4780	4790	4800	4810	4820	4830	4840	4850	4860	4870	4880	4890	4900	4910	4920	4930	4940	4950	4960	4970	4980	4990	5000	5010	5020	5030	5040	5050	5060	5070	5080	5090	5100	5110	5120	5130	5140	5150	5160	5170	5180	5190	5200	5210	5220	5230	5240	5250	5260	5270	5280	5290	5300	5310	5320	5330	5340	5350	5360	5370	5380	5390	5400	5410	5420	5430	5440	5450	5460	5470	5480	5490	5500	5510	5520	5530	5540	5550	5560	5570	5580	5590	5600	5610	5620	5630	5640	5650	5660	5670	5680	5690	5700	5710	5720	5730	5740	5750	5760	5770	5780	5790	5800	5810	5820	5830	5840	5850	5860	5870	5880	5890	5900	5910	5920	5930	5940	5950	5960	5970	5980	5990	6000	6010	6020	6030	6040	6050	6060	6070	6080	6090	6100	6110	6120	6130	6140	6150	6160	6170	6180	6190	6200	6210	6220	6230	6240	6250	6260	6270	6280	6290	6300	6310	6320	6330	6340	6350	6360	6370	6380	6390	6400	6410	6420	6430	6440	6450	6460	6470	6480	6490	6500	6510	6520	6530	6540	6550	6560	6570	6580	6590	6600	6610	6620	6630	6640	6650	6660	6670	6680	6690	6700	6710	6720	6730	6740	6750	6760	6770	6780	6790	6800	6810	6820	6830	6840	6850	6860	6870	6880	6890	6900	6910	6920	6930	6940	6950	6960	6970	6980	6990	7000	7010	7020	7030	7040	7050	7060	7070	7080	7090	7100	7110	7120	7130	7140	7150	7160	7170	7180	7190	7200	7210	7220	7230	7240	7250	7260	7270	7280	7290	7300	7310	7320	7330	7340	7350	7360	7370	7380	7390	7400	7410	7420	7430	7440	7450	7460	7470	7480	7490	7500	7510	7520	7530	7540	7550	7560	7570	7580	7590	7600	7610	7620	7630	7640	7650	7660	7670	7680	7690	7700	7710	7720	7730	7740	7750	7760	7770	7780	7790	7800	7810	7820	7830	7840	7850	7860	7870	7880	7890	7900	7910	7920	7930	7940	7950	7960	7970	7980	7990	8000	8010	8020	8030	8040	8050	8060	8070	8080	8090	8100	8110	8120	8130	8140	8150	8160	8170	8180	8190	8200	8210	8220	8230	8240	8250	8260	8270	8280	8290	8300	8310	8320	8330	8340	8350	8360	8370	8380	8390	8400	8410	8420	8430	8440	8450	8460	8470	8480	8490	8500	8510	8520	8530	8540	8550	8560	8570	8580	8590	8600	8610	8620	8630	8640	8650	8660	8670	8680	8690	8700	8710	8720	8730	8740	8750	8760	8770	8780	8790	8800	8810	8820	8830	8840	8850	8860	8870	8880	8890	8900	8910	8920	8930	8940	8950	8960	8970	8980	8990	9000	9010	9020	9030	9040	9050	9060	9070	9080	9090	9100	9110	9120	9130	9140	9150	9160	9170	9180	9190	9200	9210	9220	9230	9240	9250	9260	9270	9280	9290	9300	9310	9320	9330	9340	9350	9360	9370	9380	9390	9400	9410	9420	9430	9440	9450	9460	9470	9480	9490	9500	9510	9520	9530	9540	9550	9560	9570	9580	9590	9600	9610	9620	9630	9640	9650	9660	9670	9680	9690	9700	9710	9720	9730	9740	9750	9760	9770	9780	9790	9800	9810	9820	9830	9840	9850	9860	9870	9880	9890	9900	9910	9920	9930	9940	9950	9960	9970	9980	9990	10000	10010	10020	10030	10040	10050	10060	10070	10080	10090	10100	10110	10120	10130	10140	10150	10160	10170	10180	1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# NADC-72021-VT

.49 TC .25	0	0	0	4	23	32	55	61	55	21	52	68	12	6	0	0	389	40.7
.24 TC 0	0	1	1	4	6	19	31	27	14	14	23	49	5	2	0	0	195	20.4
-0.01 TC -0.25	0	0	0	4	4	4	0	13	0	6	11	20	3	0	0	0	73	7.6
-0.26 TC -0.50	0	0	0	1	3	6	9	3	2	4	14	20	4	0	0	0	67	7.0
-0.51 TC -0.75	0	0	0	0	4	9	4	1	2	0	14	37	4	0	0	0	75	7.9
-0.76 TC -1.00	0	0	0	0	0	1	3	0	1	0	8	23	2	0	0	0	38	4.0
-1.01 TC -1.50	0	0	0	0	0	0	1	0	0	0	28	39	8	0	0	0	76	8.0
-1.51 TC -2.00	0	0	0	0	0	0	0	0	0	0	9	16	1	0	0	0	26	2.7
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	0	1	11	0	0	0	0	12	1.3
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	.2
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
REFLOW -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS:	0	1	1	12	40	71	111	105	75	45	160	267	39	6	0	0	955	100.0

## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 153085 FUSE ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	0 40	50 99	100 149	150 199	200 249	250 299	300 349	350 399	400 449	450 499	500 549	550 599	600 649	650 699	700 UP	SUB- TOTAL	% OF COUNTS
3.00 TC 3.49	0	0	0	0	0	0	71	135	112	99	90	6	0	0	0	474	35.6
3.50 TC 3.99	0	0	0	0	0	1	12	75	76	75	66	4	0	0	0	309	23.2
4.00 TC 4.49	0	0	0	0	0	0	2	14	51	51	26	4	0	0	0	148	11.1
4.50 TC 4.99	0	0	0	0	0	0	0	4	15	35	19	7	0	0	0	80	6.0
5.00 TC 5.49	0	0	0	0	0	0	0	1	7	22	36	6	0	0	0	72	5.4
5.50 TC 5.99	0	0	0	0	0	0	0	0	3	24	36	4	0	0	0	70	5.3
6.00 TC 6.49	0	0	0	0	0	0	0	0	2	27	44	6	0	0	0	79	5.9
6.50 TC 6.99	0	0	0	0	0	0	0	0	0	13	33	7	0	0	0	53	4.0
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	5	16	5	0	0	0	29	2.2
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	6	.5
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	7	3	0	0	0	10	.8
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCOUNTS	0	0	0	0	0	1	85	220	267	342	392	53	0	0	0	1331	100.0

NADC-72021-VT

# NADC-72021-VT

.49 TC .25	0	1	6	24	31	56	44	43	25	45	59	16	5	0	0	359	39.8
.24 TC 0	0	0	2	5	11	10	12	13	7	18	32	5	6	0	.0	115	12.7
-0.01 TC -0.25	0	0	2	4	9	10	10	4	6	16	15	3	0	0	0	83	9.2
-0.26 TC -0.50	0	0	3	4	6	10	8	1	2	9	12	2	0	0	0	57	6.3
-0.51 TC -0.75	0	0	0	3	7	7	3	1	1	6	24	7	0	0	0	59	6.9
-0.76 TC -1.00	0	0	0	0	2	5	6	2	0	9	12	4	0	0	0	47	5.2
-1.01 TC -1.50	0	0	0	0	0	2	0	1	0	32	54	7	0	0	0	96	10.6
-1.51 TC -2.00	0	0	0	0	0	0	0	0	5	16	42	4	0	0	0	67	7.4
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	4	14	0	0	0	0	18	2.0
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELOW -4.01	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
TOTAL FCINYS	0	1	12	40	66	100	83	62	46	155	272	50	5	0	0	983	108.0

## OBSERVED NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 153085 AFT ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- UP	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	0	1	67	132	115	109	72	7	0	0	0	519	39.6
3.50 TC 3.99	0	0	0	0	1	0	8	45	76	66	51	4	0	0	0	255	19.5
4.00 TC 4.49	0	0	0	0	0	0	2	12	32	39	26	8	0	0	0	120	9.2
4.50 TC 4.99	0	0	0	0	0	0	2	8	14	37	27	5	0	0	0	93	7.1
5.00 TC 5.49	0	0	0	0	0	0	1	1	4	18	36	5	0	0	0	65	5.0
5.50 TC 5.99	0	0	0	0	0	0	0	4	6	26	45	3	0	0	0	84	6.4
6.00 TC 6.49	0	0	0	0	0	0	0	0	5	19	34	4	0	0	0	62	4.7
6.50 TC 6.99	0	0	0	0	0	0	0	0	1	7	27	6	0	0	0	41	3.1
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	10	18	7	0	0	0	35	2.7
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	10	5	0	0	0	15	1.1
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	12	1	0	0	0	13	1.0
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	4	1	0	0	0	5	.4
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	3	.2
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCNTS	0	0	0	0	1	1	80	212	257	331	371	56	0	0	0	1310	100.0

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-49 TC	.25	0	1	5	22	29	52	55	58	22	38	52	7	4	0	0	338	34.7
-24 TC	0	0	0	4	5	14	26	34	17	15	42	47	11	4	0	0	219	22.5
-0.01 TC	-0.25	0	0	1	4	6	14	11	2	6	12	32	6	0	0	0	96	5.5
-0.26 TC	-0.50	0	0	2	3	10	7	3	2	1	11	22	6	0	0	0	69	7.1
-0.51 TC	-0.75	0	0	0	2	6	8	2	1	1	5	11	3	0	0	0	46	4.7
-0.76 TC	-1.00	0	0	0	0	1	1	0	0	0	7	32	6	0	0	0	47	4.8
-1.01 TC	-1.50	0	0	0	0	0	1	0	2	0	34	52	5	0	0	0	94	5.7
-1.51 TC	-2.00	0	0	0	0	0	0	0	0	0	16	21	2	0	0	0	39	4.0
-2.01 TC	-2.50	0	0	0	0	0	0	0	0	0	4	11	1	0	0	0	16	1.6
-2.51 TC	-3.00	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	7	.7
-3.01 TC	-3.50	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
-3.51 TC	-4.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
BELOW -4.01		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS		0	1	12	36	66	105	105	74	45	165	297	49	8	0	0	973	100.0

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## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

PLUE ANGELS AIRCRAFT 153085 CG ACCELEROMETER

### EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	49	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUB- CP	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	0	2	52	124	84	68	49	7	0	0	0	436	29.0
3.50 TC 3.99	0	0	0	0	1	1	32	90	95	72	64	3	0	0	0	355	23.6
4.00 TC 4.49	0	0	0	0	0	0	4	40	60	51	42	5	0	0	0	202	13.4
4.50 TC 4.99	0	0	0	0	0	0	2	16	29	47	27	4	0	0	0	125	8.3
5.00 TC 5.49	0	0	0	0	0	0	0	3	12	34	12	8	0	0	0	69	4.6
5.50 TC 5.99	0	0	0	0	0	0	0	2	8	26	39	2	0	0	0	77	5.1
6.00 TC 6.49	0	0	0	0	0	0	0	1	7	17	27	3	0	0	0	55	3.7
6.50 TC 6.99	0	0	0	0	0	0	0	0	1	25	43	8	0	0	0	77	5.1
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	9	31	4	0	0	0	44	2.9
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	8	16	3	0	0	0	27	1.8
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	1	12	4	0	0	0	17	1.1
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	9	2	0	0	0	11	.7
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	6	.4
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	.1
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	0	0	0	1	3	120	286	296	358	374	56	0	0	0	1504	100.0



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.45 TC	.25	0	0	4	23	33	56	57	45	10	49	60	11	6	0	0	374	40.6
.24 TC	0	0	1	4	5	16	29	23	13	13	22	42	5	2	0	0	176	19.1
-0.01 TC	-0.25	0	0	4	4	4	6	12	0	5	10	10	3	0	0	0	66	7.2
-0.26 TC	-0.50	0	0	1	3	2	11	4	2	4	13	21	4	0	0	0	66	7.2
-0.51 TC	-0.75	0	0	0	3	11	2	1	1	1	11	31	4	0	0	0	65	7.0
-0.76 TC	-1.00	0	0	0	1	3	4	0	2	0	9	20	2	0	0	0	41	4.4
-1.01 TC	-1.50	0	0	0	0	0	2	0	0	0	27	41	6	0	0	0	76	8.5
-1.51 TC	-2.00	0	0	0	0	0	0	0	0	0	12	25	1	0	0	0	38	4.1
-2.01 TC	-2.50	0	0	0	0	0	0	0	0	0	3	7	0	0	0	0	10	1.1
-2.51 TC	-3.00	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	5	.5
-3.01 TC	-3.50	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	.2
-3.51 TC	-4.00	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
BFLW -4.01		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS		0	1	13	39	69	110	97	68	41	156	282	38	8	0	0	922	100.0

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## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

PLUE ANGELS AIRCRAFT 153065 FGRE ACCELEROMETER

### EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	49	50	99	100	149	150	200	250	300	350	400	450	500	550	600	650	700	SUB- TOTAL	% OF TOTAL COUNTS
3.00 TC 3.49	0	0	0	0	0	0	0	2	25	122	91	60	42	7	0	0	0	410	27.9
3.50 TC 3.99	0	0	0	0	0	0	0	0	33	92	80	80	63	3	0	0	0	359	24.4
4.00 TC 4.49	0	0	0	0	0	0	0	0	2	47	55	47	35	5	0	0	0	196	13.3
4.50 TC 4.99	0	0	0	0	0	0	0	0	1	12	34	47	25	5	0	0	0	124	8.4
5.00 TC 5.49	0	0	0	0	0	0	0	0	0	2	15	27	10	4	0	0	0	66	4.5
5.50 TC 5.99	0	0	0	0	0	0	0	0	0	0	4	31	40	6	0	0	0	81	5.5
6.00 TC 6.49	0	0	0	0	0	0	0	0	0	0	4	24	34	3	0	0	0	65	4.4
6.50 TC 6.99	0	0	0	0	0	0	0	0	0	0	1	21	32	7	0	0	0	61	4.2
7.00 TC 7.49	0	0	0	0	0	0	0	0	0	0	0	11	36	6	0	0	0	53	3.6
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	0	0	7	16	3	0	0	0	26	1.8
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	0	0	1	12	2	0	0	0	17	1.2
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	5	.2
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	4	.3
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	2	.1
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	0	0	0	0	0	0	2	122	275	292	356	366	56	0	0	0	1469	100.0

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.42 TC .25	0	1	6	23	29	55	42	45	22	48	54	17	5	0	0	0	348	39.7
.24 TC .3	0	0	2	5	10	8	10	9	6	15	30	5	0	0	0	0	100	11.4
-0.01 TC -0.25	0	0	2	4	9	9	9	4	6	15	18	2	0	0	0	0	78	8.9
-0.26 TC -0.50	0	0	2	3	5	7	9	1	1	6	9	2	0	0	0	0	46	5.2
-0.51 TC -0.75	0	0	0	3	5	10	1	1	2	9	23	6	0	0	0	0	60	6.8
-0.76 TC -1.00	0	0	0	1	5	4	7	2	0	9	18	4	0	0	0	0	50	5.7
-1.01 TC -1.50	0	0	0	0	0	4	1	2	0	26	49	8	0	0	0	0	90	10.3
-1.51 TC -2.00	0	0	0	0	0	0	0	0	4	20	44	2	0	0	0	0	70	8.0
-2.01 TC -2.50	0	0	0	0	0	0	0	0	1	6	17	3	0	0	0	0	27	3.1
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	7	.8
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
EFLW -4.01	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	.1
TOTAL PRINTS	0	1	12	39	63	97	80	64	42	155	269	49	5	0	0	0	877	108.0

## EFFECTIVE NORMAL LOAD FACTOR VS. EQUIVALENT AIRSPEED TABULATION

BLUE ANGELS AIRCRAFT 152025 AFT ACCELEROMETER

## EQUIVALENT AIRSPEED, KNOTS

LOAD FACTOR	0	50	100	150	200	250	300	350	400	450	500	550	600	650	700	SUR- LP	TOTAL COUNTS	% CF
3.00 TC 3.49	0	0	0	0	0	5	91	137	102	87	63	9	0	0	0	0	494	32.4
3.50 TC 3.99	0	0	0	0	0	0	20	67	83	74	61	5	0	0	0	0	310	21.0
4.00 TC 4.49	0	0	0	0	0	0	3	36	54	52	31	3	0	0	0	0	179	12.1
4.50 TC 4.99	0	0	0	0	1	0	1	12	22	36	25	8	0	0	0	0	105	7.1
5.00 TC 5.49	0	0	0	0	0	0	0	4	9	31	35	4	0	0	0	0	83	5.6
5.50 TC 5.99	0	0	0	0	0	0	2	1	4	23	23	4	0	0	0	0	58	3.9
6.00 TC 6.49	0	0	0	0	0	0	0	1	4	16	47	2	0	0	0	0	66	4.5
6.50 TC 6.99	0	0	0	0	0	0	0	2	3	20	34	6	0	0	0	0	66	4.5
7.00 TC 7.49	0	0	0	0	0	0	0	0	4	7	24	3	0	0	0	0	38	2.6
7.50 TC 7.99	0	0	0	0	0	0	0	0	0	10	22	7	0	0	0	0	39	2.6
8.00 TC 8.49	0	0	0	0	0	0	0	0	0	1	5	3	0	0	0	0	13	.9
8.50 TC 8.99	0	0	0	0	0	0	0	0	0	0	7	4	0	0	0	0	11	.7
9.00 TC 9.49	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	6	.4
9.50 TC 9.99	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	6	.4
10.00 TC 10.49	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	2	.1
10.50 TC 10.99	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	.1
11.00 TC 11.49	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL FCINTS	0	0	0	0	1	5	118	261	285	297	390	60	0	0	0	0	1477	100.0

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# NADC-72021-VT

.49 TC	.25	0	1	5	24	27	58	57	49	15	36	54	6	5	0	0	333	15.2
.24 TC	0	0	0	4	4	14	23	25	12	14	41	41	11	3	0	0	197	28.2
-0.01 TC -0.25	0	0	0	1	4	6	14	11	2	6	11	25	8	0	0	0	92	9.7
-0.26 TC -0.50	0	0	0	3	2	8	5	2	2	1	18	22	6	0	0	0	82	6.6
-0.51 TC -0.75	0	0	0	0	3	5	8	1	1	1	7	16	3	0	0	0	45	4.8
-0.76 TC -1.00	0	0	0	0	0	4	2	1	0	0	5	27	2	0	0	0	43	4.5
-1.01 TC -1.50	0	0	0	0	0	0	1	0	2	0	25	48	7	0	0	0	82	8.8
-1.51 TC -2.00	0	0	0	0	0	0	0	0	0	0	24	32	3	0	0	0	59	6.2
-2.01 TC -2.50	0	0	0	0	0	0	0	0	0	0	7	12	1	0	0	0	21	2.2
-2.51 TC -3.00	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	6	.6
-3.01 TC -3.50	0	0	0	0	0	0	0	0	0	0	0	4	0	0	0	0	4	.4
-3.51 TC -4.00	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BELCM -4.01	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	.1
TOTAL FCINTS	0	1	12	37	64	104	102	45	41	166	292	48	8	8	0	0	946	100.8